Lancaster Farming

Serving The Central and Southeastern Pennsylvania Areas - Also Maryland, New Jersey and Delaware

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Mt. Joy Twp. code adopted to save farms

By KENDACE BORRY

ELIZABETHTOWN – In an effort to discourage large housing developments on farmland, the Mount Joy Township supervisors approved a revised zoning ordinance this past Tuesday. Aired at an open hearing attended by over 50 farmers, developers, and other interested people, the proposal was accepted by an unanimous vote of the three supervisors.

The revised 65 page ordinance establishes an agricultural district in the Lancaster County township east of the Route 283 and in part of the township which lies west of that route and south of Cloverleaf Road.

There development is restricted. On a tract of land in size between one and seven acres, one 20,000 square foot lot would be allowed. On 380 acres of land or more, ten lots would be allowed.

To satisfy builders and developers, large pieces of land near Elizabethtown and

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Strawberries here, crop looks good

By KENDACE BORRY

LITITZ -- The first strawberries in the **Lancaster Farming** area have been picked and growers are more optimistic about the season than a few weeks ago. While then they has been worried about a reduced crop due to the weather conditions and the late Spring, Mother Nature has so far cooperated to bring about a much better than anticipated harvest.

Although the season is much later than that of last year's, Peter Alexih, from Herr Fruit Farms, Lancaster, thought that the crop was "coming along nicely.".

"I'm very encouraged," he related. "We picked the first ones Thursday before noon, and they're good strawberries. Local strawberries should start to be on the market this weekend in the area. The peak of the season should come in about ten days."

Alexih has two main concerns right now over his strawberries – rain and the birds. "We could use some rain this weekend yet, that would help the crop nicely," he explained. "But we don't

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Greg Shaffer, Jason Garman, John Schell, and Megan Wade are all eager to tell what they know about milk and cows. All of them, as well as their classmates, are Kindergarteners and live in the Lititz area.

ANNUAL DAIRY ISSUE

June is dairy month

Once again, we salute the area's dairy industry with our first issue of June – Dairy Month, Readers will find stories and features of interest throughout this edition. Articles depict dairymen, dairy farm wives, 4-H'ers and FFA-ers. Stories relate to management, and new technology. Other articles feature dairy princess contestants and people who work closely with the dairyman to keep the milk flowing. Regular features may be found on the following pages :

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Lancaster Farming photo by Joanne Spahr

Eager to delve into the dairy issue of Lancaster Farming is this Jersey calf photographed at the farm of Mark Deaven, Fredericksburg.

Strong milk sales give good outlook

By DIETER KRIEG

LANCASTER – After months of burdensome surplus production, the U.S. diary industry has scored a reversal and is now in what's considered a favorable marketing situation. The dramatic turnaround came largely as a result of unexpectedly high sales and a drop in cow numbers which was triggered by a combination of dairy surpluses and attractive prices for cull cows. Now, just a few weeks after the sour headlines appeared, it's a different ball game for dairymen and their marketing organizations.

Dr. Paul Hand, economist for Inter-State Milk Producers, goes as far as to predict $10 per hundredweight for Class II milk by the end of the year. While it's highly unlikely that the government will raise support prices to that level in October, Dr. Hand reasons that demand for milk will outstrip supplies enough so that handles will pay the $10 for it.

Ralph Strock, general manager for Maryland Cooperative Milk Producers, is equally optimistic, as are spokesmen for Lehigh Valley Cooperative Farmers and Eastern Milk Producers.

Strock noted in a telephone interview on Thursday that

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'Daddy cows' give more than 'mommy cows'

By DIETER KRIEG

LITITZ – Dairy farmers may be interested to know that if they'd milk their daddy cows, instead of mommy cows, they'd get about four times as much milk per animal. So says one cheerful little Kindergartener at the Lititz Elementary School. Megan Wade, 6, claims that a mommy cow gives about a quart of milk per day, while her male counterpart will put a whole gallon into the bucket.

Jason Douple, another 6-year old, disagrees in part. According to him, mommy cows give more milk than daddy cows. Chris Woyurka disagrees altogether, exclaiming: "Bulls don't give milk!"

Nevertheless, if anyone reading this article is wondering how you can tell the difference between mommy and daddy cows, Scott Martin explains. "Daddy cows have horns, and they get bigger than mommy cows."

The above comments came during a 90-minute interview with enthusiastic, well-behaved, bright young children in the Lititz Kindergarten classes of Mrs. Doris Stryker, Mrs. Shirley Bell, and Mrs. Cathy Dietrich. Eager to talk and

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Shelhamer plans new farm equipment expo

HARRISBURG – Pennsylvania's Agriculture Secretary Kent Shelhamer has announced plans for the First Pennsylvania Farm Equipment Expo to be held March 8-10, 1979 at the Farm Show Complex in Harrisburg. Shelhamer said that the show, even at its inception, should be one of the major farm equipment shows in the nation.

The entire 14-acre building, some 350,000 square feet of exhibit space, will be turned over to the farm equipment dealers for the show, for displays of both new and reconditioned equipment. Shelhamer noted that the show would accomodate at least 200 exhibitors who have not been able to find space at the January Farm Show.

The Pennsylvania Farm Equipment Expo is more than an equipment display, however. Shelhamer said that a full range of features is planned around the show to make it a farm community event. "The show will conclude on Saturday with a major sale, the Pennsylvania Farm Equipment Consignment Sale of used equipment," he said. "The sale will be the first of its kind and will provide our farmers with a good means to pick up farm equipment at reasonable prices."

Evenings during the show will see action in the large arena of the complex. Thursday night will feature the 1979 National Horse Pulling Contest with teams

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Livestock market and auction news

Lancaster Market

Lancaster, Pa.
Monday, May 29, 1978

	Cattle	Calves	Hogs	Sheep
Today	Holiday		1195	Holiday
Last Monday	1030	155	869	99
Last Year	Holiday			
Monday's Auction	0	0	1195	0
Last Monday's Auction	1012	151	831	94

No market due to holiday.

Lancaster Feeder Cattle

Lancaster, Pa.
Friday, May 26, 1978

	Feeder Cattle
Today	427
Last Friday	479
Last Year	564

TREND: Hardly enough of any one class for a market, few sales feeder steers steady to weak, bulk of supply sold in lots of three or less.

FEEDER STEERS: Few Choice 500-700 lb. 62.75-66.25, couple lots 745-830 lb. 61.25-62.26; one lot mixed Good and Choice 605 lb. 59.60; end one lot Good 960 lb. 57.50.

FEEDER HEIFERS: Choice 455-545 lb. 52.75-54.25; couple lots Good 450-460 lb. 50.00-51.00.

JUNE IS DAIRY MONTH

Vintage Market

Vintage, Pa.
Tuesday, May 30, 1978

	Cattle	Calves	Sheep
Today	1227	395	58
Last Tuesday	892	345	17
Last Year	1544	450	75

CATTLE: Compared to last Tuesday slaughter steers 50-1.00 higher; cows firm to 50 higher, advance mainly on Cutter; bullocks not fully tested; bulls steady to 50 lower. Supply included 78 per cent slaughter steers and 17 per cent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1100-1425 lb. 62.75-63.75, few head 63.75-64.10; Choice mainly 2 1050-1325 lb. 62.25-63.50; Choice 2-4 1000-1400 lb. 60.00-62.50; few 59.75-60.00; high Good and low Choice 2-3 57.50-60.00; Good 2-3 54.00-59.00.

SLAUGHTER HEIFERS: Couple Prime 3 1050-1150 lb. 60.10-61.50; couple Choice 2-4 975-1100 lb. 55.00-58.00.

COWS: Utility and Commercial 1-3 41.00-44.00, few 44.00-44.75; couple 45.00-45.50; Cutter 1-2 39.75-42.00, few 42.00-43.50; Canner and low Cutter 37.50-39.75.

BULLOCKS: Few Good 1000-1250 lb. 47.00-49.00.

BULLS: Yield grade 1 1100-1800 lb. 48.00-49.75; yield grade 2 1000-1350 lb. 46.00-48.50.

VEAL CALVES: Vealers weak to 5.00 lower, most decline on 80-100 lb. Supply included 302 in graded sale of which 38 per cent sold to return to farm.

VEALERS: Few Choice 140-230 lb. 75.00-80.00; high Good and low Choice 160-255 lb. 62.00-74.00; 120-160 lb. 58.00-65.00; 90-115 lb. 54.00-62.00; few 80-95 lb. 40.00-55.00.

RETURNED TO FARM: 40 head 80-110 lb. Holstein heifers 54.00-60.00; few 64.00-70.00; 75 head 100-115 lb. Holstein bulls 70.00-72.00, one lot 120-125 lb. 64.00.

SHEEP: Supply mainly 30-60 lb. spring lambs sold as feeders and slaughter ewes. Slaughter ewes 3.00-5.00 higher.

FEEDER LAMBS: Bulk 30-60 lb. 48.00-65.00, few 70.00-77.00.

SLAUGHTER EWES: Utility and Good 14.00-26.00.

VEAL CALVES: Vealers uneven, 5.00-8.00 lower.

VEALERS: Few Choice 160-170 lb. 65.00-70.00; high Good and low Choice 120-180 lb. 55.00-65.00, 90-110 lb. 45.00-55.00, few 70-95 lb. 40.00-45.00.

RETURNED TO FARM: Bulk 95-115 lb. Holstein bulls and heifers 65.00-74.00.

SHEEP: Spring lambs mostly steady; slaughter ewes fully steady.

SPRING LAMBS: Couple lots Choice 65-85 lb. 69.50-71.00; few Good 50-75 lb. 60.00-65.00.

SLAUGHTER EWES: Utility and Good 15.00-23.00.

Lancaster Auction

Lancaster, Pa.
Wednesday, May 31, 1978

	Cattle	Calves	Hogs	Sheep
Today	1618	71	1061	10
Last Wednesday	1284	51	1208	2
Last Year	1775	144	947	95
Wednesday's Auction	1666	72	1058	58
Last Wednesday's Auction	1313	51	1243	2

CATTLE: Compared to last Wednesday slaughter steers firm to 50 higher, instances 1.00 higher early; slaughter heifers 50-1.00 higher; cows fully steady, instances 1.00 higher on Cutter; bullocks fully steady; bulls 50-1.00 higher.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1400 lb. 60.75-63.00, few 63.00-63.60; Choice 2-4 1000-1350 lb. 59.75-61.75, few late 59.25-59.75; high Good and low Choice 2-3 57.50-60.00; Good 2-3 54.75-58.50.

SLAUGHTER HEIFERS: Choice 2-4 900-1110 lb. 55.00-60.25, few 60.50-62.75; Good 2-3 850-1050 lb. 52.00-55.50.

COWS: Utility and Commercial 1-3 41.00-43.50, few 43.50-44.25; Cutter 1-2 39.25-41.50; Canner and low Cutter 35.00-39.00.

BULLOCKS: Choice 1050-1325 lb. 53.50-55.50, couple 56.25-57.25; Good 100-1275 lb. 49.00-53.00.

New Holland

New Holland, Pa.
Thursday, June 1, 1978

	Cattle	Calves	Sheep
Today	1663	426	27
Last Thursday	1345	400	95
Last Year	1541	534	35

CATTLE: Compared to last Thursday slaughter steers steady to 50 lower, instances 1.00 lower late; cows mostly 2.00 higher; bullocks 2.00-3.00 higher; bulls 1.50-2.00 higher. Supply included 75 per cent slaughter steers and 16 per cent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1075-1325 lb. 61.50-63.00, few 63.00-63.60; Choice 2-4 1000-1350 lb. 60.00-62.00, several late 59.00-60.00; high Good and low Choice 2-3 57.50-60.25; Good 2-3 54.50-59.00.

COWS: Utility and Commercial 1-3 41.50-44.50, several 44.50-46.00; Cutter 1-2 39.50-42.00, few 42.00-44.25; Canner and low Cutter 37.00-40.00.

BULLOCKS: Choice 1000-1300 lb. 53.00-55.75, few 56.00-57.25; Good 1000-1250 lb. 49.00-53.50.

BULLS: Yield grade 1 1100-1800 lb. 49.00-51.75, couple 52.00-53.00; yield grade 2 1000-1350 lb. 46.00-49.50.

VEAL CALVES: Vealers steady to 4.00 higher, instances 7.00 higher on 80-110 lb.

VEALERS: Prime 270-340 lb. 84.00-90.00, few 90.00-95.00; Choice 160-280 lb. 73.00-85.00, 120-160 lb. 62.00-77.00; high Good and low Choice 160-260 lb. 55.00-75.00, 120-160 lb. 50.00-60.00, 90-115 lb. 33.00-52.00 few 52.00-58.00, 70-90 lb. 25.00-35.00.

SHEEP: Spring lambs fully steady; slaughter ewes steady.

SPRING LAMBS: Choice 40-80 lb. 62.00-66.00; few Good 40-65 lb. 44.00-59.00.

SLAUGHTER EWES: Utility and Good 14.00-24.00.

Lancaster Weekly

Friday, June 2, 1978

	Cattle	Calves
This Week	5300	910
Last Week	5210	956
Last Year	5675	1142

CATTLE: Slaughter steers mostly steady with last week's close, although closing sales steady to 50 instances 1.00 lower; slaughter heifers 50-1.00 higher; cows 1.00-2.00 higher; bullocks 2.00 instances 3.00 higher; bulls 1.50-2.00 higher. Supply included 66 per cent slaughter steers, 11 per cent cows, 5 per cent heifers, 4 per cent bulls with the balance feeder steers.

SLAUGHTER STEERS: High Choice and Prime 3-4 1075-1400 lb. 61.50-63.00, few 63.00-64.10; Choice mainly 2 1050-1325 lb. 61.75-63.50; Choice 2-4 1000-1400 lb. 60.00-62.50, several late 59.00-60.00; high Good and low Choice 2-3 57.50-60.00; Good 2-3 54.00-59.00.

SLAUGHTER HEIFERS: Few Prime 3 1050-1150 lb. 60.10-62.75; Choice 2-4 975-1110 lb. 55.00-60.00; Good 2-3 850-1050 lb. 52.00-55.50.

COWS: Utility and Commercial 1-3 41.00-44.50, few 44.50-46.00; Cutter 1-2 39.50-42.00, few 42.00-44.25; Canner and low Cutter 37.00-40.00.

BULLOCKS: Choice 1050-1325 lb. 53.00-55.75, few 56.00-57.25; Good 1000-1275 lb. 49.00-53.50.

BULLS: Yield grade 1 1100-1800 lb. 47.75-51.75, few 51.75-53.00, couple 53.50-54.25; yield grade 1 1000-1350 lb. 46.00-49.50.

VEAL CALVES: Compared to last week's close vealers steady to 4.00 higher, instances 7.00 higher on 80-110 lb.

VEALERS: Prime 270-240 lb. 84.00-90.00, few 90.00-95.00; Choice 160-280 lb. 70.00-85.00, 120-160 lb. 62.00-75.00; high Good and low Choice 160-280 lb. 55.00-75.00, 120-160 lb. 50.00-62.00, 90-110 lb. 33.00-55.00 few early part of week 55.00-62.00, 70-90 lb. 25.00-35.00.

RETURNED TO FARM: 40 head 80-110 lb. Holstein heifers 54.00-60.00, few 64.00-70.00; bulk 95-125 lb. Holstein bulls 64.00-72.00, few 72.00-84.00.

New Holland Horse

New Holland Sales Stables
Monday, May 29

Reported receipts of 421 head of horses, mules and ponies. Market steady with last week's market.

Local driving horses 200-850; riding horses 200-375; better horses 400-885; lightweight killers 29-35; heavyweight killers 39-42; mare ponies 15-50; colts 10-20; geldings 15-55, larger ponies 75-225.

LANCASTER STOCKYARDS
WEEKLY SALES
SLAUGHTER SALES — MON. & WED. 10:00 A.M.
VEALERS, LAMBS, HOGS — MON. & WED. 11:00 A.M.
STOCKER & FEEDER SALE — FRIDAY 12 NOON
HOGS SOLD SAT. — PRIVATE TREATY 7-12 NOON

MARKET HOG SHOW & SALE
LANCASTER STOCKYARDS
WEDNESDAY, JUNE 14, 1978
Judging - 10 A.M. Show Sale - 1 P.M.
CHAIRMEN:
Lloyd Hoover Ed Prosser Mel Weaver

WEIGHT CLASSES:
200-215 lbs.; 216-230 lbs.; 231-245 lbs.
1 Lot of 10 Per Consignor.

NEXT FEEDER PIG SALE — JUNE 6, 1978

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June is dairy month

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10 00 A M - Horse Sale
11 00 A M — Hay, Straw & Ear Corn
1 30 P M - Fat Steers, Bulls, Cows & Veal
WEDNESDAY'S AUCTION.
12 00 Noon - Hay, Straw & Ear Corn
12 00 Noon - Dairy Sale
1 00 P M Feeder Pig Sale
THURSDAY's AUCTION:
11 00 A M - Beef Sale
Order of Sale Bulls, Fat Steers, Cows, Veal
4 30 P M - Calf Sale
NEW HOLLAND SALES STABLES INC.
New Holland, PA
Abram W. Diffenbach, Manager Phone: 717-354-4341

Hog Markets

Lancaster Hog Market

Lancaster, Pa.
Monday, May 29, 1978

Market not reported due to holiday.

New Holland Hog

New Holland Sales Stables
May 29, 1978

Total 1300 head.

Retail 51.75-53.50; heavyweight 50.00-51.75; lightweight 48.00-51.75; wholesale 51.00-51.75; sows 40.00-46.00; boars 38.00-42.00.

Peoria Hogs

Thursday, June 1, 1978

HOGS: 2500 - Barrows & gilts slow, opening 25-50 higher. US 1-2 200-230 lb. Mostly 52.00-52.25, 80 head 52.50. US 1-3 200-240 lb. Mostly 51.00-52.00.

SOWS: 50-1.00 lower. US 1-3 350-500 lb. 45.00-45.50, some 46.00; 500-650 lb. 46.50-47.00.

Indianapolis Hog

Thursday, June 1, 1978

HOGS: 1000 - Barrows & gilts moderately active, mostly 25 higher.

US 1-2 210-235 lb. 52.25-52.50, 40 head 52.50; US 1-3 200-245 lb. 51.75-52.25.

SOWS: Active, firm to 50 higher.

US 1-3 350-450 lb. 45.00-46.50;; 480-600 lb. 47.00-48.00.

Lancaster Hog Auction

Lancaster, Pa.
Wednesday, May 31, 1978

HOGS: Compared to last Wednesday barrows and gilts firm to 50 higher.

BARROWS AND GILTS: US 1-2 200-240 lb. 52.75-53.10; Few US 1 205-240 lb. 53.50-54.00; US 1-3 200-265 lb. 51.50-52.50; US 2-3 270-285 lb. 47.50-49.00.

St. Louis Hogs

Thursday, June 1, 1978

HOGS: 5500 - Barrows & gilts active, opened fully steady, later 25-50 higher on weights under 240 lb.

US 1-2 200-240 lb. 51.00-51.50, about 300 head 51.75;; US 1-3 200-250 lb. 50.50-51.75.

Sows: Generally steady.

US 1-3 300-450 lb. 44.50-45.00; 450-500 lb. 45.00; Over 500 lb. 46.00-46.50.

New Holland Feeder Pig

New Holland, Pa.
Wednesday, May 31, 1978

	Feeder Pigs
Today	1215
Last Wednesday	1225
Last Year	1197

TREND: Compared to last Wednesday feeder pigs 4.00-5.00 higher. All pigs weighed on arrival and sold by the hundredweight.

US 1-2 25-40 lb. 140.00-151.00; 40-55 lb. 120.00-140.00; 55-65 lb. 97.00-118.00.

US 2-3 30-45 lb. 124.00-139.00, 81 head 150.00-151.00; 45-55 lb. 95.00-125.00.

Vintage

Vintage Sales Stables
Saturday, May 27

Reported 368 head.

No. 1 200 to 230 lbs. 51.35-52.50; No. 2-3 200 to 230 lbs. 50.00-51.35; lightweights 170 to 190 lbs. 46.35-47.35; heavyweights 250 to 300 lbs. 43.75-48.50; sows 43.00-45.00; boars 39.00-39.75.

Wednesday, May 31

Reported 631 head.

No. 1-2 210 to 250 lbs. 51.35-52-85; No. 2-3 205-250 lbs. 50.25-51.35; lightweights 160 to 195 lbs. 46.50-50.25; heavyweights 260 to 280 lbs. 45.50-46.00; sows 41.00-45.00; boars 37.50-40.25.

Hunter's Auction

Rising Sun, Md.
May 29, 1978

FEEDER HEIFERS: High Choice and Prime 55.00-59.00; Good to Choice 49.00-52.00.

FEEDER STEERS (HOLSTEIN): 57.00-61.00; Standard to Good 58.00-60.00.

BULLS: 1655 lb. 50.00; 650-750 lb. 48.00-56.00.

COWS: High Choice to Prime 42.75-44.25; Good to Standard 40.25-42.75; Utility 38.75-40.00; Cutters 37.50-39.50; Canners 31.75-36.25.

CALVES: High to Choice 140-180 lb. 67.00-73.00; Good to Choice 120-140 lb. 65.00-74.00; Standard to Good 90-110 lb. 58.00-73.00; Utility 70-85 lb. 36.00-46.00, few 51.00-55.00; Low Utility 65-75 lb. 32.00-38.00.

FEEDER PIGS: 30-40 lb. $26 to $29 by the head.

HOGS: 180-200 lb. 46.50-48.50; 200-240 lb. 48.50-50.50.

SOWS: 36.00-38.00.

BOARS: 32.00-37.00.

Lancaster Grain

Friday, June 2, 1978

These prices are made up of the average prices quoted by a number of participating area feed and grain concerns. It should be noted however, that not every dealer or broker handles each commodity. All prices are per bushel except ear corn and soybean meal which are per ton.

The average prices quoted Friday, June 2 are as follows:

	Bid+	Offered+
Ear Corn	70.00	80.00
Shelled Corn	2.82	3.02
Barley	2.00	2.20
Oats		
Local	1.66	1.90
Western	2.00	2.18
Wheat	3.10	3.28
Soybeans	6.77	——
Soybean Meal		247.50

G & M Livestock Market

Duncanville, Pa.
May 29, 1978

Dairy Cows: 450.00-870.00.

Steers: Good to Choice 56.00-58.10; standard to good 52.00-56.00; others 46.00-52.00.

Heifers: Good to choice 54.30-56.10; standard to good 48.00-52.00.

Feeder Steers: Standard to good 48.00-55.00.

Bulls: 1000 to 2005 lbs. 54.00-56.85; 900 to 1200 lbs. 48.00-54.00.

Cows: High choice to prime 43.00-46.75; utility 40.00-43.00; cutters 36.00-40.00; canners 30.00-36.00.

Calves: High choice 80.00-89.50; good to choice 60.00-80.00; standard to good 40.00-60.00; utility 25.00-40.00; farm calves, bulls, 90 to 120 lbs. 70.00-80.00; farm calves, heifers, 90 to 120 lbs. 75.00-91.00.

Hogs: 200 to 240 lbs. 51.50-52.90; 190 to 280 lbs. 48.00-51.00.

Sows: 41.00-45.50.

Boars: 30.00-36.00.

Feeder pigs: 25 to 35 lbs. 28.00-40.00; 35 to 50 lbs. 40.00-54.00.

Sheep: Lambs, medium 50.00-60.00; sheep 21.00-35.00.

Futures Trading

(Closing Bids as of Thursday, June 1, 1978)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
June	59.47	53.55		41.50
July		56.75		47.05
Aug.	57.42	52.40		
Sept.				58.80
Oct.	55.70	48.45		
Nov.			5.27	59.80
Dec.	56.05	49.55		
Jan.	55.92			61.90
Feb.	56.12	47.75		
March			6.05	
April			6.50	
May			7.53	

Trend - Cattle are lower, Hogs are lower, Potatoes are higher, and Eggs are higher.

Market Provided by Commodity Department
Reynolds Securities, Inc.

Chicago Grain Futures

(Closing Bids as of Thursday, June 1, 1978)

	Corn	Wheat	Soybeans	Soybean Meal
July	2.65½	3.26¼	7.32½	182.30
Aug.			7.24¾	182.30
Sept.	2.66¼	3.30	6.98½	181.30
Oct.				177.30
Nov.			6.68	
Dec.	2.68¾	3.36½		174.80
Jan.			6.71½	175.10
Mar.	2.75	3.38	6.79½	176.10

Trend - Corn is lower, Wheat is lower, Soybeans are lower, and Soybean Meal is lower.

Market Provided by Commodity Department
Reynolds Securities, Inc.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter Under Federal Inspection

	CATTLE	CALVES	HOGS	SHEEP
Week to Date	437,000	42,000	869,000	64,000
Same Period Last Week	563,000	52,000	1,052,000	80,000
Same Period Last Year	452,000	52,000	852,000	74,000

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Poultry Market Reports

Weekly New York Egg Market

From Monday, May 29 to Friday, June 2

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Ex Large	54	54	54	54	53
Large	51	51	50	50	49
Mediums	44	44	42	42	41
Pullets	34	34	33	33	32
Peewees	26	26	24	24	23
BROWN					
Large	56	56	53	53	53
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Large	47	47	46	46	45
Checks	29	29	27	27	27

Tone: Supplies ample, market unsettled.

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N. E. Weekly Shell Egg Report

May 31, 1978

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.+	58-65	57-63	49-55	32-38
Mostly	59-61	58-60	50-52	33-35
NEW HAMP.	52-58	51-57	43-49	26-32
Mostly	54-55	53-54	45-46	28-29
R.I.	62-63	61-62	53-54	36-37
VERMONT	60-78	59-75	51-69	--
Mostly	62-65	61-63	53-56	--
MAINE	60-62	59-61	51-53	34-36

+Includes Central and Western Sections Only.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	New Weight Per Case	Wednesday	Friday
Extra Large	51 lbs.		
Class 1 - Large	48 lbs.	38	37
Class 2 - Large	45 lbs.	36	34
Class 3 - Medium	42 lbs.	34	32
Class 4 - Small	39 lbs.	28	26
Breaking Stock	48 lbs.	36	36
Checks	48 lbs.	30	29

P.O. Box 366 - Lititz, PA 17543
Office: 22 E. Main St., Lititz, PA 17543
Record-Express Office Building
Phone: Lancaster 717-394-3047
or Lititz 717-626-1164

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Eastern Pa. & N.J. Poultry

May 31, 1978

Offerings on light type adequate. Demand is fair. Off farm movement is increasing slightly due to the hot weather.

Prices Paid At Farm: Light type hens 7-9½, mostly 9.

FOB plant 10½-11½, mostly 11-11½.

Heavy type hens: TFEWR

Philadelphia Eggs

May 31, 1978

Supplies are adequate on mediums, ample on large, fully adequate on extra large. Demand is good for mediums, no better than fair on balance.

Prices To Retailers: Sales to volume buyers, consumer grades, white eggs in cartons, delivered: Store Door
A Extra Large 50-53
A Large 49-51
A Medium 41-44

Delmarva Poultry

May 31, 1978

Demand is good. Additional uncommitted processor supplies are light. Undertone is fully steady to firm. Live supplies are adequate.

Current Broiler/Fryer negotiated prices for immediate includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: US Grade A 49-51; Plant Grade 48-50; Premium X US Grade A 56.00; Premium X Plant Grade 54.00.

WTD. AVG.: US Grade A 50.11; Plant Grade 49.47; Premium X US Grade A 56.00; Premium X Plant Grade 54.00.

Baltimore Eggs

May 31, 1978

Cartoned demand is good on mediums and large, fair on other sizes. Supplies are fully adequate for needs.
Large 59-63
Medium 51-57.

PACMA Eggs

PACMA-FACTS

The following market is supplied by PACMA-FACTS, a direct marketing organization affiliated with the Pennsylvania Farmers' Association. Participating poultrymen are members of PACMA, which employs a fowl marketing agent, The Farmers' Agricultural Cooperative Trading Society (FACT) - to sell members' fowl PACMA works directly with the PFA poultrymen in the program.

Farm point prices prevailing for fowl to be marketed by members during the week of May 29 were 11½ plant, and 9½ farm

Hay Markets

Regional Hay

May 30, 1978

(All hay No. 2 and better, prices paid by dealers at the farm and per ton).

Hay steady to $10 lower as some new crop comes on the market; straw steady to weak.

Alfalfa, 90.00-100.00, few new crop at 70.00; Mixed hay 75.00-90.00; Timothy hay 70.00-85.00; Straw 75.00-85.00; Mulch 40.00-65.00.

Belleville Auction

Belleville, Pa.
May 31, 1978

CATTLE 110. Compared with last Wednesday's market, slaughter steers mostly 50 cents lower One Standard slaughter steer at 47.00. One Standard slaughter heifer at 48.25. Utility & Commercial slaughter cows 39.60-43.60, couple to 44.35, Cutters 38.75-41.75, few Canner & Low Cutter 34.00-37.85, Shells down to 33.50. Couple Good slaughter bullocks 53.10 and 55.75. Yield Grade #1 1100-2350 lbs. slaughter bulls 45.35-52.85, one at 57.00. Few Good 350-700 lbs. feeder steers & bulls 55.00-58.50.

CALVES 145. Vealers about steady. One Prime vealer at 82.50, Choice 74.00-80.00, few Good 70.00-74.00, Standard & Good 90-110 lbs. 60.00-65.00, 70-85 lbs. 50.00-56.00. Farm calves, holstein bulls 90-120 lbs. 62.00-81.00, one at 84.50; holstein heifers 90-130 lbs. 59.00-96.00.

HOGS 207. Barrows & gilts 50 cents to $1.50 lower. US No. 1-2 210-250 lbs. barrows & gilts 51.50-52.60, No. 1-3 220-250 lbs. 49.40-51.10, few No. 2-3 220-260 lbs. 48.70-49.00, few No. 1-3 180-185 lbs. 43.50-47.-90. Few US No. 1-3 300-600 lbs. sows 41.75-47.75. Boars 32.00-38.25.

FEEDER PIGS 443. US No. 1-3 25-40 lbs. feeder pigs 29.00-48.50 per head, No. 1-3 40-65 lbs. 45.00-53.00, No. 1-3 85-110 lbs. 61.50-68.50 per head.

SHEEP 46. Choice 60-90 lbs. spring slaughter lambs 70.00-72.00, Good 50-75 lbs. 65.00-68.00. Slaughter ewes 15 00-30.50.

New Holland Dairy

New Holland Sales Stables
Wednesday, May 31

Reported receipts of 137 cows, 75 heifers, and 3 bulls Market lower than last week's market.

Two load of N.Y., fresh 660-1700, springers 700-1500; load of Wisconsin, fresh 775-800; load of Canada, fresh 760-900, springers 760-1000; local cows 525-900; springing heifers, grade 550-775, purebred 800-1200; open heifers 345-470; bulls 320-450; herd dispersal of 42 head in all stages of lactation 420-1050

Green Dragon

Ephrata, Pa.
May 26, 1978

PRICES PER TON: 45 loads Hay and 10 loads Straw.

Alfalfa 89.00-102.00; Timothy 79.00-114.00; Mixed hay 81.00-103.00, few to 139.00; Clover, individual's 86.00 and 90.00; Straw 88.00-117.00; Ear Corn 14 loads 80.50-84.50, individual 76. Oats, two individual's 1.70 per bushel.

Harvey Z. Martin Hay Market

Leola, Pa.
Wednesday, May 31, 1978
78 Loads

Alfalfa hay 70 to 114; 1 load 140; Clover 1 load 77; Timothy 4 loads 77, 96, 105, 135; Mixed Hay 52 to 137; Straw 60 to 124, 1 load 149; Hay and Straw 2 loads 70 and 77; Corn Fodder 63; Ear Corn 71 to 87, 1 load 90; New Corn 4 loads 37, 40, 77, 90.

New Holland Hay

Monday, May 29, 1978
New Holland Sales Stables
Total 50 loads.

Alfalfa 91-142; timothy 85-114; mixed hay 67-141; clover 100; fodder 66; orchard grass 55; straw 95-136; corn 51-84.

Joliet Cattle

June 1, 1978
Joliet, Illinois

CATTLE: Friday through Wednesday, salable receipts this week 6200; 5 days last week 5715 and last year 8563 Trading for the week moderate.

SLAUGHTER STEERS: Mixed High Choice and Prime mostly 1.00-1 25 higher than Wednesday of last week. Good to aveage choice steers 1.00-1.50, instances 2.00 higher Slaughter heifers 75-1 25 higher. Cows steady.

SLAUGHTER STEERS: Mixed high Choice and Prime 3-4, 1100-1300 lbs. 61.50-62.50, one load 62.75 Wednesday. Choice 2-4, 1050-1250 lbs. 60.50-61.75. Mixed good and choice 2-3, 1000-1200 lbs. 58.50-61.00.

SLAUGHTER HEIFERS Mixed choice and prime 3-4, 950-1100 lbs. 59.50-60.00. Choice 2-4, 900-1050 lbs. 58.00-59.50. Mixed good and choice 2-3, 800-1000 lbs. 55.50-58.00.

COWS: Utility and Commercial 1-3, 39.00-41.25

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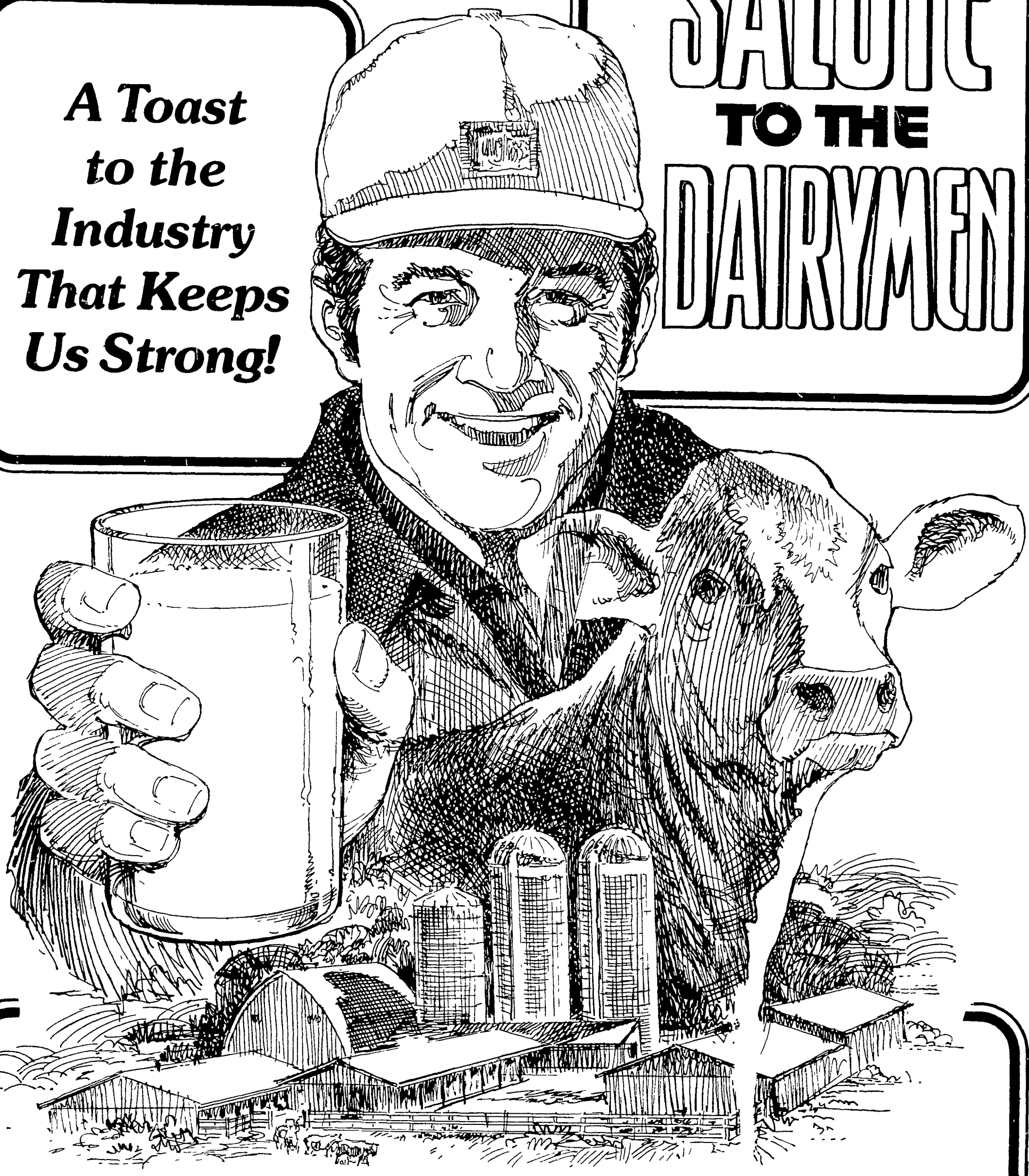

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Livestock market and auction news

Lebanon Valley Auction

Fredericksburg, Pa.
May 30, 1978

CATTLE 228. Compared with last Tuesday's market, slaughter steers 50 cents to $1 higher. Slaughter cows mostly steady to 50 cents higher. Few High Choice & Prime No. 3-4 1035-1220 lbs. slaughter steers 61.85-63.35, one at 63.60, Choice No. 2-4 950-1380 lbs. 58.75-60.35, few 61.60, Good 55.10-59.00, Standard 49.75-53.75, Good & Choice holsteins 53.50-59.25, few Utility & Low Standard 40.00-46.75. Few Choice slaughter heifers 55.50-56.85, one High Choice at 60.00, Good 49.75-54.25, Standard 45.00-48.75. Utility & Commercial slaughter cows 42.50-44.00, few to 45.00, one at 46.25, Cutters 39.85-42.50, Canner & Low Cutter 37.75-39.75. Shells down to 35.00. Few Choice slaughter bullocks 52.00-54.85, one at 58.75, Good 47.85-50.10, Standard 45.00-48.25. Few Yield Grade #1 1260-2010 lbs. slaughter bulls 46.75-53.25.

CALVES 130. Vealers $1 to $3 lower. One Prime vealer at 86.00, Choice 71.00-80.00, Good 65.00-70.00, Standard & Good 57.50-66.50, 65-90 lbs. 50.00-57.50, Utility 60-105 lbs. 40.00-50.00 Farm claves, holstein bulls 90-120 lbs. 60.00-66.00; holstein heifers 85-130 lbs. 86.00-95.00, one at 96.50.

HOGS 288. Barrows & gilts steady. US No. 1-2 200-230 lbs barrows & gilts 53 00-53 60, No. 1-3 195-245 lbs. 52.00-53.10, No. 2-3 200-265 lbs. 51.00-52.25. Few US No. 1-3 435-490 lbs. sows 44.75-46.75, No. 2-3 325-630 lbs. 42.00-45.50 Boars 37.00-37.50

FEEDER PIGS 11 Lot US No 1-3 25 lbs. feeder pigs 31 00 per head, lot No 1-3 40 lbs 86.00 cwt , lot Utility 50 lbs 67 00 cwt.

SHEEP 37 Choice 35-100 lbs spring slaughter lambs 62 00-71 00; few Good & Choice 30-60 lbs 55 00. Slaughter yearlings 24 00-34 00, slaughter ewes 15 00-21.00

Middleburg Auction

Middleburg, Pa.
May 30, 1978

CATTLE 278 Compared with last Tuesday's market, slaughter steers $2 higher Slaughter cows $1 25 to $2 50 lower High Choice & Prime slaughter steers 62 10-63 60, couple to 64 00, Choice No 2-4 975-1250 lbs 57 50-62 00, Good 53 50-57 00, Standard 48 00-53 60, few Utility 45 00-50 25 Prime slaughter heifers 56 00-59 50, Choice 55 00-58 50, few Good 49 00-53 50 Utility & Commercial slaughter cows 39 50-43 50, couple to 44 50, Cutters 38 50-41 50, Canner & Low Cutter 36 75-38 50, Shells down to 33 60 Few Choice slaughter bullocks 54 00-58 50, few Good 49 25-54 75 Few Yield Grade #1 950-1650 lbs slaughter bulls 46 75-51 85 Few Medium 500-800 lbs feeder steers 40 50-48 00

CALVES 155 Few Prime vealers 85 00-86 50, Choice 74 00-85 00, Good 65 00-75 00, Standard & Good 90-110 lbs 55 00-65 00 70-85 lbs 48 00-55 00 Farm calves holstein bulls 85-120 lbs 62 00-81 00 holstein heifers 90-130 lbs. 82.00-98 50

HOGS 650 (Monday, May 29, 1978). Barrows & gilts 25 cents to $1 lower. US No 1-2 200-230 lbs. barrows & gilts 51.00-52.00, No. 1-3 190-250 lbs. 50.00-51 20, No. 2-3 190-270 lbs. 48.75-50.00 US No. 1-3 400-600 lbs. sows 43.00-44.25. Few Boars 33.25-35.25. (HOGS 99. Tuesday, May 30, 1978.) US No. 1-2 200-220 lbs. barrows & gilst 51.50-52 60 52.60.

FEEDER PIGS 163. US No. 1-3 20-35 lbs. feeder pigs 30.00-41.50 per head, No. 1-3 40-60 lbs. 40.00-51.00, No. 1-3 75-110 lbs 57.00-65.00 per head.

SHEEP 9. Few Choice 55-80 lbs. spring slaughter lambs 58.00-67.00.

Peoria Livestock

Peoria, Illinois
June 1, 1978

CATTLE· Receipts this week: 4400 last week: 3800 year ago: 4900. Compared with last week's close, slaughter steers, 1.00 higher. Slaughter heifers 50 higher. Cows 1.00-3.00 higher than last Friday. Bulls 1.00-2.00 h Lower. Slaughter steers and heifers continue· to sell at record levels this week. Receipts about 60 per cent slaughter steers 35 percent slaughter heifers, balance mainly cows.

SLAUGHTER STEERS: Couple loads Choice and Prime 1225-1240 lbs. 62.25-62.50; Choice 2-4 950-1250 lbs 60.50-62.00; three loads 62.25; mixed Good and Choice 2-4 900-1300 lbs. 58.50-60.50; Good 2-3 54 50-58.50; Standard and Good 2-3 51.00-54 00.

SLAUGHTER HEIFERS. Choice and Prime 3-4 900-1100 lbs. 59 00-59.25, part-load 59 50; few 59 75; Choice 2-4 850-1075 lbs. 56.50-59.00, late 56.50-58 50; 800-900 lbs. 55 50-57.00; Mixed Good and Choice 2-4 750-1100 lbs 54.50-56.50; Good 2-3 50.00-54.50; Standard and Good 2-3 47.00-50.00

COWS Utility and Commercial 2-4 39.00-41.00; high-dressing Utility 41 50-42.00; Cutter 1-2 36 00-39.00; Canner 34 50-36 00

BULLS Yield grade 1-2 1100-1800 lbs 41 00-48 00, several yield grade 1 50 00-51 00, few 53 00

Sechrist Auction

Stewartstown, Pa.
May 29, 1978

CATTLE 56 Steers - Good & Choice 58 00-60 25, Good 54 50-57 85, Holsteins Good 48 00-51 85, Standard to Good 44 00-48 10 Heifers - High Choice and Prime 55 00-59 10, Good to Choice 53 00-55 00, Holsteins Good 43 50-48 00, Standard Good 40 00-42 85 Feeder Steers - Good and Choice 55 00-61 25, Standard Good 52 00-56 50, Utility 45 00-51 50 Bulls - Good and Choice Commercial 48 00-51 50, Standard to Good 46 00-49 25 Cows - High Yearling Commercial 42 50-44 25 Cutters 40 00-42 25 Canners Low Cutters 36 00-39 85, Shells 32 00-37 00

CALVES 65 Calves - Choice and Prime 68 00-75 50 Good and Choice 60 00-69 50 Standard and Good 55 00-60.00; Bulls, Utility to Good 100-120 lbs 65.00-72 50; Heifers, Utility 90-120 lbs. 60 00-70.00; Culls 30 00-55 00

HOGS 207 Hogs - US No. 1 and 2, 190-220 lbs. 51 00-51.75; US No 1 and 3, 190-230 lbs. 50 50-51.00; US No. 1 and 3, 180-250 lbs. 49 00-50 25. Sows - 250-375 lbs. 39.85-43.50; 400-500 lbs. 37.00-40.00. Boars 300-500 lbs. 36.00-41.00.

SHEEP 8 Ewes - 10 00-16.00.

Private Treaty Fat Hogs, Select No. 1 and 2, 190-215 lbs. 50.25-51.00.

Private Treaty Fat Hogs, No. 1 and 2, 190-220 lbs. 50.00.

Private Treaty Fat Hogs, No. 1 and 3, 230-250 lbs. 49.00-49.75.

Des Moines Carlot

May 31, 1978

Compared to Tuesday's close: Fresh pork cut trade slow; demand light with limited offerings. Fresh loin not well established. Picnics steady, Boston Butts 1.00-1.50 higher; skinned hams 17-20 lbs. 1.00 higher. Bellies steady-3.00 lower on limited comparison. Sales reported on 31 loads of pork items.

Fresh Pork Cuts

Loins 14-17 lbs. 101.50 next week shipment, 20&up lbs. 85.50 load trimmed; Picnic 4-8 lbs. 55.75, steady; Boston Butt 4-8 lbs. 84.00-84.50, 1.00-1.50 higher, 8&up lbs. 83.50, 1 50 higher; Spareribs 2-3 lbs. 117.50 selected; skinned hams 14/DN lbs. 88.00 frozen, 17-20 lbs. 78.50-79.00, mostly 79.00, 1.00 higher, 20-26 lbs. 79.00; Bellies, sdls 12-14 lbs. 61.00-64.50, steady-3.00 lower; 14-16 lbs. 61.00-64.00; 16-18 lbs. 64.00 part load, 2.00 lower; 18-20 lbs. 56.00. Bnls ct butt 1-3-½ lbs. 107.00, I W.; Offal and variety: hearts 53.75; Jowls 49.50 fresh; 51.50 frozen.

Compared to Tuesday's close: Beef trade moderate, demand moderate to light. Choice steer beef steady, heifer beef steady; boning utility cow beef steady Choice primal forequarters 50-1 25 higher; arm chucks 50 higher. Sales reported on 42 loads of carcass beef.

Steer Beef
19 Loads

Choice 3 550-750 lbs 94.00-95 25, mostly 94 00, steady; Choice 3 700-900 lbs 96 00, steady

Steer Beef
7 Loads

Choice 3 500-700 lbs 95 50 trimmed, Choice 2 600-700 lbs 96 00, steady, Choice 2 700-800 lbs 97 00 couple loads; Choice 4 600-900 lbs 89 00-89 25

Heifer Beef
22 Loads

Choice 3 500-700 lbs 92 25, steady, Choice 3 400-500 lbs. 85 75-86 75, mostly 85 75, steady, Choice 3 500-700 lbs 92 75 load selected, Choice 3 500-700 lbs 86 50, Good 2-3 500-700 lbs 85 75-86 75, mostly 85 75, steady

Cow Beef
1 Load

Utility (Bng) 2-3 74 50, steady, boneless processing beef 90 chem lean 105 00 fresh

Choice 3
Primal Beef Cuts
5 Loads

Fores 130-210 lbs 78 25-79 50, 50-1 75 higher arm chucks 75-120 lbs 73 50 steady load 75 00 Loins 40-50 lbs. 156 00, part load; Short plates beef trimmings - 50 pct lean (Fresh) 62 00; beef trimmings - 50 pct lean (Frozen) 63 00; Choice 3 Primal steer hinds 145-190 lbs 112 00.

East Coast Carlot

Princeton, New Jersey
May 31, 1978

Compared to Tuesday's close unless specified. Beef trade moderate for carcass and primal cuts as reported by USDA. Choice 3 steers 600-750 lbs. compared to last week's late bulk .50, instances 1.75 higher. Prime special fed veal fully steady. Good and Choice boning veal 2.00 to 4.00 higher advance on shipped in. No comparison on fresh pork cuts.

Steer Beef
16 Loads

Compared to last week's late bulk; Choice 3 600-750 lbs 9750-9875, bulk 9750, 50-1.75 higher, 4 650-800 lbs Load 9300

Choice 3
Primal Beef Cuts
6 Loads

Fores 130-210 lbs. Load 8300, firm; arm chucks 90-130 lbs. Load 7700; rounds, steer 60-85 lbs. 10800.

Spring Lamb Carcass
Choice & Prime 3-4
2 Loads

55 lbs. down 13600-13700.

Veal Carcass
Hide On

Prime (Special fed) 180-240 lbs. 16500-17500, fully steady.

Good and Choice boning type Northeastern Suppliers: 65-75 lbs 9000-9400, bulk 9200, All 2.00-4 00 higher; 55-64 lbs. 8800-9200, bulk 9000; 45-54 lbs 8600-9000, bulk 8800; 35-44 lbs. 8400-8800, bulk 8600; 34 lbs. down 8200-8600, bulk 8400

Midwest and West Coast suppliers· 70-80 lbs. 9400-9500, all 3.00-4.00 higher; 60-70 lbs. 9200-9300; 50-60 lbs. 9000-9100; 40-50 lbs. 8800-8900; 30-40 lbs. 8600-8700.

Fresh Pork Cuts

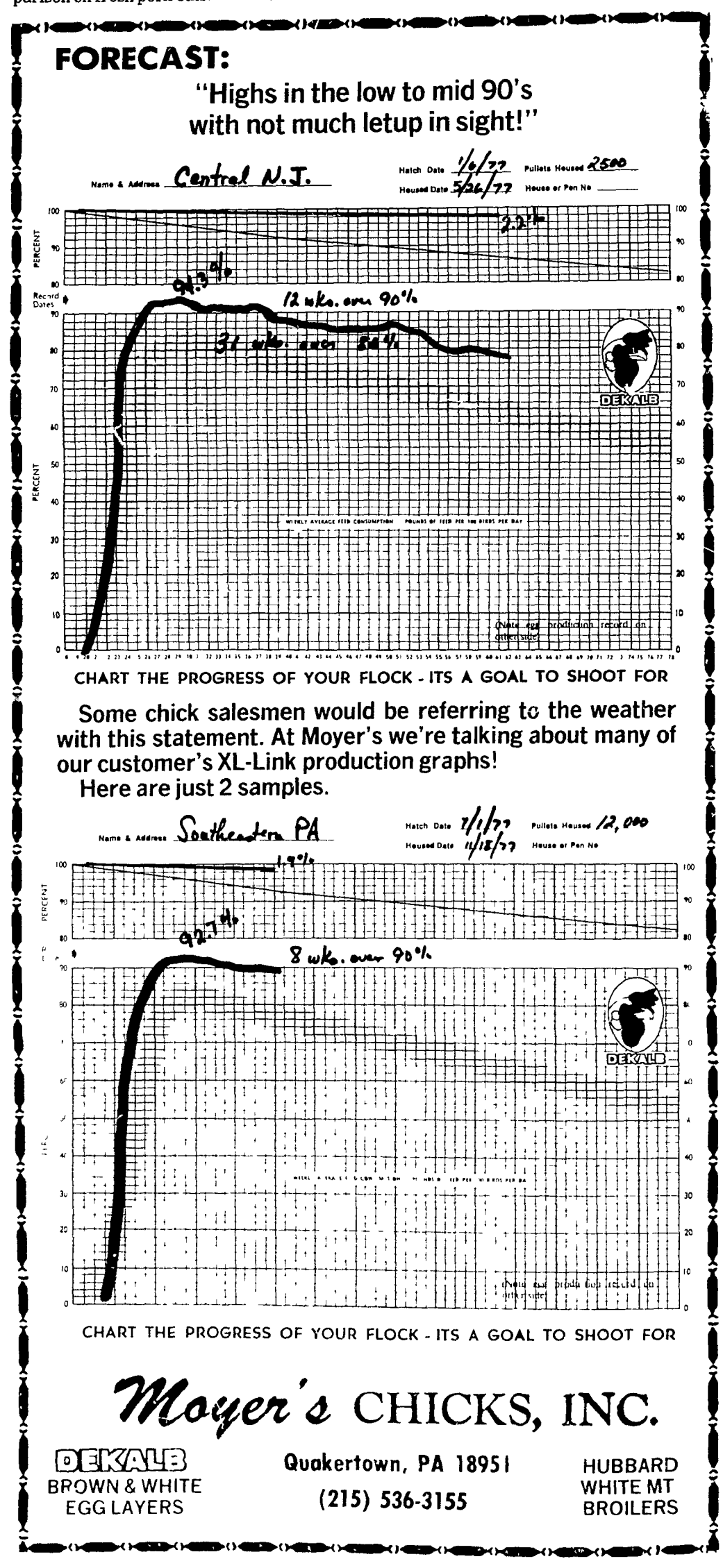
Skinned hams 20-26 lbs Load 8250.

Boneless Beef
5 Loads

90 pct chem lean, fresh - 10500 load; frozen - 10450.

Beef Trimmings
7 Loads

50 pct chem fresh 6375-6400, generally steady.


FORECAST:
"Highs in the low to mid 90's with not much letup in sight!"
Name & Address Central N.J.
Hatch Date 1/6/77
Housed Date 5/26/77
Pullets Housed 2500
House or Pen No
94.3%
12 wks. over 90%
31 wks. over 50%
2.2%
DEKALB
PERCENT
Record Dates
WEEKLY AVERAGE FEED CONSUMPTION POUNDS OF FEED PER 100 BIRDS PER DAY
Quota egg production record on other side
CHART THE PROGRESS OF YOUR FLOCK - ITS A GOAL TO SHOOT FOR
Some chick salesmen would be referring to the weather with this statement. At Moyer's we're talking about many of our customer's XL-Link production graphs!
Here are just 2 samples.
Name & Address Southeastern PA
Hatch Date 7/1/77
Housed Date 11/18/77
Pullets Housed 12,000
House or Pen No
1.9%
92.7%
8 wk. over 90%
DEKALB
CHART THE PROGRESS OF YOUR FLOCK - ITS A GOAL TO SHOOT FOR
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Livestock market and auction news

Leesport Auction

Leesport, Pa.
May 31, 1978

CATTLE 277. Supply included 51 head feeder cattle. Compared with last Wednesday's market, slaughter steers $1 to $3 higher. Slaughter cows unevenly steady. Choice 900-1300 lbs. slaughter steers 60.00-62.25, few 63.85, Good 55.00-60.50, Standard 53.75-56.00, few Utility 47.00-52.85. Few Choice 800-1000 lbs. slaughter heifers 55.25-58.25, Good 53.25-56 00, few Standard 47.00-52 75, couple Utility at 45.85. Utility & Commercial slaughter cows 42.00-44.10, one at 45.00, Cutters 39.00-42.10, Canner & Low Cutter 37.00-39.00. One Choice slaughter bullock at 54.25, Good 50.00-53.00, Standard 47.50-49.35, few Utility 44.00-46.75. Few Yield Grade #1 1100-1750 lbs. slaughter bulls 49.35-52.25; few yield grade #2 850-1335 lbs. 44 60-50.00. Few Choice 420-670 lbs. feeder steers 62.00-67.00; few Good & Choice 350-750 lbs. feeder bulls 60.00-64.50, few Medium 400-720 lbs. 46.50-50.50.

CALVES 163. Vealers grading Good & Choice steady to $3 higher; Standard & Low Good $1 to $3 lower. Few Prime vealers 87.00-89.00, Choice 78.00-87.00, Good 70.00-78.00, few Standard & Good 110-130 lbs. 60.00-62.00, 90-110 lbs. 55.00-59.50, 70-85 lbs. 49.00-55.50. Farm calves, holstein bulls 95-120 lbs. 70.00-80.50; holstein heifers 90-130 lbs. 60.00-78.00, one at 81.00.

HOGS 189. Barrows & gilts 75 cents to $1 higher. US No. 1-2 205-230 lbs. barrows & gilts 53.00-53.25, few 53.60, No. 1-3 210-250 lbs. 52.00-53.10, No. 2-3 205-265 lbs. 51.00-52.35. Few US No. 1-3 340-600 lbs. sows 44.00-45.00, one at 46.25. Few Boars 30.50-34.75, few light weights 36.50-43.00.

FEEDER PIGS 169. ALL PRICES CWT. US No. 1-3 15-50 lbs. feeder pigs 104.00-127.00, No. 1-3 60-70 lbs. 71 00-92.00 cwt.

SHEEP 73. Choice 30-85 lbs. spring slaughter lambs 65.00-77.00, few 88.00, few Good 35-65 lbs. 60.00-68.00. Slaughter ewes 18.00-34.00

Chambersburg Auction

Chambersburg, Pa.
June 1, 1978

CATTLE 295. Compared with last Thursday's market, slaughter steers grading good, $1.00-2.00 higher. Slaughter cows mostly $1 00-2.50 higher. Slaughter steers few low to average choice 58.50-60.00. Good 53.50-57.00, few Standard 51.00-54.00. Few choice slaughter heifers 55.25-58.25, few Good 54.00-55.00. Few Standard 46.25-49.50. Utility & Commercial slaughter cows 40.00-45.60, 1 at 45.85, Cutters 39.00-42.85, Canner & L. Cutter 37.50-40.00, Shells down to 34.00. Slaughter bullocks couple Good at 54.00, few Standard 48.00-48.75. Yield Grade #1, 1200-1700 lbs. 45.35-51.25.

FEEDER CATTLE: Steers few good 350-750 lbs. 52.75-58.00.

CALVES 554. Vealers mostly $1.00-4.00 lower. Few prime vealers 85.00-88.50, Choice 69.00-82.00, good 58.00-68.00, Standard & Good 110-130 lbs. 57.00-65.00, 90-110 lbs. 58.00-64.00, 70-85 lbs. 52.00-60.00.

FARM CALVES: Holstein Bulls and heifers 90-120 lbs. 62.00-75.00, few to 81.00.

HOGS 47. Barrows and gilts $1.00 higher US No. 1-2 185-240 lbs. barrows & gilts 51.35-51.60, few lots No. 2-3 235-260 lbs. 49.85-51.00, few US No. 1-3 400-600 lbs. sows 43.00-43.75, few BOARS 38.25-38.75.

FEEDER PIGS 27. US No. 1-3 35-50 lbs. feeder pigs 32.00-49.50 per head.

SHEEP 32. Spring slaughter lambs Choice 70-100 lbs. 66.50-72.00. Slaughter ewes 14.00-23.00.

St. Louis Cattle

National Stockyards
June 1, 1978
WEEKLY CATTLE REVIEW

Receipts This Week	5,600
Week Ago	6,700
Year Ago	6,600

Compared last weeks close, slaughter steers and heifers 2.50-3.00 higher. Cows weak to 50 lower. Bulls weak to 1.00 lower. Slaughter supply during the Holiday shortened week mainly choice and mixed choice and prime 2-4 1050-1250 lb. steers, about 30 per cent heifers and 15 per cent cows.

SLAUGHTER STEERS: Load mixed choice and prime mostly 2-3 1250 lbs. 62.25, all-time record high locally. Mixed choice and prime 2-4 1050-1250 lbs. 60.50-61.50. Choice 2-4 975-1275 lbs. 58.50-60.50, mostly 59.00-60.50. Mixed good and choice 2-4 900-1225 lbs. 56.50-58.60. Good 2-3 900-1200 lbs. 52.00-56.50. Mixed good and choice 2-3 1125-1350 lb. holsteins 52.50-53.50. Standard to good 2-3 1050-1300 lb. holsteins 48.50-52.50.

SLAUGHTER HEIFERS: Mixed choice and prime 2-4 875-1050 lbs. 58.00-58.50, part load and small lot 59.00, latter price record high locally. Choice 2-4 800-1050 lbs. 56.00-58.00, mostly 56.50-58.00. Mixed good and choice 2-3 700-1000 lbs. 54.50-56.50. Good 2-3 700-950 lbs. 49.50-54.50.

COWS: Utility and commercial 2-4 37.00-40.50, boning utility 1-2 41.00-44.50, mostly 41.00. Cutter 1-2 35.00-39.50, bulk 35.00-39.00. Canner and Low Cutter 1-2 31.00-35.00.

BULLS: Yield grade 1-2 1050-1800 lbs. 44.00-48.00. Few yield grade 1 individuals 49.50.

FEEDERS: Including around 1,000 at Thursday's auction. Feeder steers weak to 2.00 lower. Feeder heifers steady to 1.00 lower. Overall quality not as high as recent weeks due to a larger percentage of mixed good and choice offerings. Buyer attendance small than normal.

FEEDER STEERS: Few lots choice 400-500 lbs. 65.00-67.00; 500-600 lbs. 62.00-64.75; 600-650 lbs. 60.00-62.00; 700-825 lbs. 57.00-58.25. Mixed good and choice 375-500 lbs. 60.25-64.00; 500-625 lbs. 58.00-61.00. Few lots mixed good and choice 450-625 lb. bulls 55.75-58.00.

FEEDER HEIFERS: Choice 375-550 lbs. 56.00-59.00; 600-800 lbs. 53.00-55.50. Mixed good and choice 325-500 lbs. 54.00-56.75. Few good 350-500 lbs. 50.75-54.50.

Carlisle Auction

Carlisle, Pa.
May 30, 1978

CATTLE 121. Compared with last Tuesday's market; Choice slaughter steers 59.00-62.25, Good 55.75-59.50, Standard 50.50-56.00, Utility 48.25-51.00. Good slaughter bullocks 48.50-54.25, Standard 45.50-49.00, Utility 41.35-46.00. Utility & Commercial slaughter cows 41.85-45.00, Cutters 37.50-42.00, Canner & Low Cutter 35.00-38.50, Shells down to 30.00. Good slaughter bullocks 49.25-52.00, Standard 39.00-46.25.

CALVES 88. Choice vealers 74.50-81.00, Good 55.00-75.00, Standard & Good 70-90 lbs. 40.00-57.00, Utility 28.50-43.00.

HOGS 322. US No. 1-2 200-240 lbs. barrows & gilts 51.85-53.25, No. 1-3 200-240 lbs. 49.50-52.00, No. 2-3 195-250 lbs. 46.25-49.00. US No. 1-3 300-500 lbs. sows 44.50-45.50, No. 2-3 300-600 lbs. 38.50-43.50. Few Boars 37.00.

FEEDER PIGS 233. US No. 1-3 30-45 lbs. feeder pigs 33.00-42.00 per head, No. 1-3 40-70 lbs. 46.00-52.00 per head.

SHEEP 10. Couple Good spring slaughter lambs 51.00 and 63 00.

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PERIOD	% Grade A	% Large	% Medium	% Small	% Grade B	% Checks, Blood Spots, Misc	Total Dozens
PERIOD 1 8/26/77—9/22/77	UNDERGRADES						1,710
PERIOD 2 9/23/77—10/20/77	88.30	12.48	51.85	23 97	.89	2.31	18,690
PERIOD 3 10/21/77—11/17/77	96.08	43.48	48 11	4.19	1.04	2.88	24,000
PERIOD 4 11/18/77—12/15/77	94.09	65.02	27.96	1.11	1.70	4.21	23,580
PERIOD 5 12/16/77—1/12/78	94.59	75.12	19.01	.46	1.94	3.48	22,620
PERIOD 6 1/13/78—2/9/78	94 26	79.85	13.12	31	2.31	3.43	21,360

The flock of Hubbard Leghorns reported upon above were 20 weeks old when record-keeping began on August 26, 1977. Each of the six periods consists of four weeks. Write or telephone for additional details.

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Livestock market and auction news

THE OLD FARMER'S ALMANAC

JUNE 5-11, 1978

Showery but flowery.

Keep up with your weeding Robert F Kennedy died, June 6, 1968 New moon, June 5 Average length of days for the week, 15 hours, 12 minutes Income Tax Withholding Act enacted, June 8, 1943 It took 83 hours and 34 minutes to travel by train from New York City to San Francisco in 1876 *Patience is the key to joy*

Ask the Old Farmer: Over the years when bills were "long" and paychecks were "short" I have heard the expression, "making both ends meet," meaning keeping within a budget What is the origin of this term? W G, Rome, N Y

Refers to close and accurate figuring Said to originate with old-time coopers, who made wooden barrel-hoops that crossed ends and locked

Home Hints: Clean shower-door tracks with an old toothbrush

OLD FARMER'S WEATHER FORECASTS

New England: Cloudy and cool to start, then clear and warm at midweek, rain expected over weekend

Greater New York-New Jersey: Seasonal showers to start, then sunny and mild, week's end partly sunny with moderate showers

Middle Atlantic Coastal: Rainy with partial clearing midweek, then more rain

Piedmont & Southeast Coastal: Showers and light rain almost all week

Florida: Cloudy south, sunny north, then hot with some rain north at midweek, seasonal and showery over weekend

Greater Ohio Valley: Rain and cooler temperatures all week

Deep South: Scattered showers and cool, weekend sunny

Chicago & Southern Great Lakes: Cloudy and very cool with showers by weekend

Northern Great Plains-Great Lakes Rain west, moving east, then cold snap and showers

Central Great Plains: Cool and rainy all week

Texas-Oklahoma: Seasonal with intermittent rain, clearing and cool end of week

Rocky Mountain: Week begins cloudy and cold, then clearing and warmer temperatures with showers east

Southwest Desert: Clearing and cool, then clear and very hot north

Pacific Northwest: Light rain and cool to start, clear and hot through week's end

California. Clear and warm, very hot inland all week

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Philadelphia Fresh Fruit and Vegetable Report

Wednesday, May 31, 1978

FRUIT

APPLES: Steady. Controlled Atmosphere storage; Ctn Tray Pack.

Ctn. Cell Pack; NY McIntosh US Ex. Fcy. 100s 16.00 120s 15.50 140s 15.00.

CHERRIES: Steady. CALIF. 18 lb. lug. Bing 12 row sz. & lgr. 17.00-18.00 11½ row sz 18.50 11 row sz 19.00.

STRAWBERRIES: About steady. CALIF 12 pint flats mostly med 3.60-4.80 fair cond. 3.00 via air med-lge 6.60 one label lge 12.00 with stem 15.00.

NJ 16 qt. crt. 80 per quart.

VEGETABLES

ASPARAGUS: Supplies light. NJ Fieldrun loose 21.00 bchd 22.00-23.00 few 20.00 bu crt loose 16.00.

BEANS: About steady. Bum hmpr. & bu. crt. Round Green Type unless otherwise stated. NC 7-7.50. SC 6.00-7.00 fair appear 5.00 fair cond. 3.-3.50 flat type 4.00-5.00 fair qual 3.00.

GREENS: About steady. Wirebound crt. approx. 1½ bushel unless otherwise stated. PA loose rape turnip tops & mustard 3.50. VA bchd Collard 6.00-7.00 Kale 6.50-7.00. NJ bchd Collard 6-6.50 Dill 6.00 Swiss Chard 6.50-7.00 bu bkt loose Rape Turnip Tops & Mustard 4.00 few 4.50 bchd Turnip Tops & Mustard 3.50 Broccoli Rabe 1-1/9 bu. bkt. bchd 3.50-4.50. NC bchd Collard 6-6.50.

LEEKS: NJ ctn bchd 12s 5.00.

LETTUCE: Iceberg Higher. NJ 8.00-9.00.

ROMAINE: About steady. NJ 1-1/9 bu crt & ctn 4.50-5.50 mostly 5.00.

BIG BOSTON: NJ Eastern Boston crt 8.50-9.50 few 10.00.

BIBB: NJ 12-qt. bkt 8.50-9.00.

LEAF: NJ 1-1/9 bu. crt. 7.00-8.00.

MUSHROOMS: About steady. PA 4-qt. bkt med-lge 4.50-4.75 some best 5.00 sml-med 3.50-3.75, some best 4.00.

ONIONS-GREEN: Steady NJ 4/5 bu. crt. bchd 24s 3.75 bchd 36s 6.00.

PARSLEY: Supplies light. Bunched 5 dozen curly unless otherwise stated.

NJ ctn. 24.00 ½ bu. crt. bchd 30s 14.00.

POTATOES: About steady. 50 lb. sks US#1 Size A wshd unless otherwise stated.

Round Whites: FLA 4.50-5.00. MAINE one lot 3.25. NY 2.75-3.00 lge 3.50-3.85.

RADISHES: Steady. NJ lug bchd 24s Red 2.50-3.50 mostly 3.00 ctn bchd 36s Red 4-4.50.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, May 29

Reported receipts of 247 calves, 98 cows, 67 hogs, 39 heifers, 18 bulls, and 8 steers. Cattle market steady and calf market easier.

Veals 70.00-83.00; bobs, 90 to 110 lbs. 43.00-61.50; bobs, 80 lbs. and down 39.50-55.00; grassers and feeders 40.00-61.00; hogs, 200 to 250 lbs. 45.00-50.50; sows 36.00-41.50; boars 25.00-40.50; pigs 31.00-38.00; heifers 30.00-56.00; steers, feeders 57.00-64.00; steers, common 43.00-51.50; bulls 43.00-49.50; cows, good 38.50-43.00; cows, medium 30.00-38.00; cows, poor or small 16.00-31.50; horses 365.00; ponies 35.00-75.00; goats 12.00-31.00.

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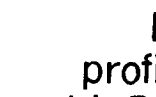

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From 7 A.M. Wed. Morning

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3 Way Cross.
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Consigned by Noah W. Horning.
ALSO
15 3 Way Cross Bred Gilts
Consigned by John B. Stoltzfus.

SPECIAL WEDNESDAY, JUNE 14
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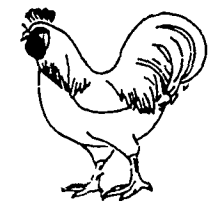

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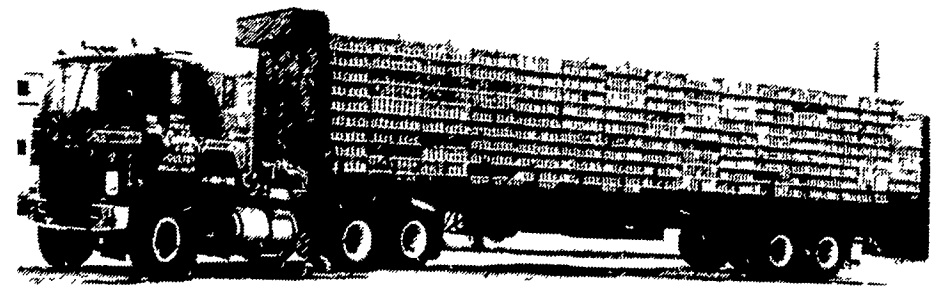

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Livestock market and auction news

Omaha Cattle

June 1, 1978

Weekly Cattle – 51 – Compared with previous week's close – compared with limited trading late the previous week, prices on slaughter steers advanced 50-1.00 and were 1.00-1.50 higher than mid-week; heifers were 1.00-1.25 higher than the previous midweek. Cows were steady to 50 cents higher, the advance mainly on utility and commercial bulls were firm to 1.00 higher. Fleshy two-way feeder steers were 1.00-1.50 higher.

Three day receipts 15,100 as compared 19,100 for 4 days last week and 16,400 a year ago. The upward spiral in fed cattle prices continued during the holiday-shortened period under review. Most interests were in need of cattle for immediate requirements following the long holiday weekend and were aggressive for numbers and there was a good demand for cattle to be slaughtered at points outside the immediate Omaha area. The continued price upturn was effected in the face of a slow-moving carcass trade the forepart of week. Much of the steer and heifer supply was of good to average-choice grade with several loads choice and prime included. Feeder buyers were again competitive for partly fattened two-way steers. Slaughter steers made up approximately 44 per cent, heifers 33 per cent, cows 9 per cent and feeders 11 per cent.

STEERS: Two loads choice and prime 3-4 1220-1256 lbs. 63.00, load same grade 1176 lbs. 62,75. Choice 2-4 1000-1300 lbs. closed 61.00-62.50, some at latter price with end prime. Mixed good and choice 2-3 975-1250 lbs. 59.50-61.00. Good 2-3 54.00-59.00. Standard and good 2-3 50.00-53.00. Good and choice 2-3 1200-1350 lb. Holsteins 54.00-55.50. Good 52.00-53.50.

Average of LS-214, detailed quotations, for choice 900-1100 lb. steers this week 61.25; choice 1100-1300 lbs. 61.75. Average weight steers first two days 1144 lbs. as compared 1143 lbs. previous week. Average weight heifers first two days 982 lbs. as compared 977 lbs. previous week.

HEIFERS: Two loads choice and prime 3-4 960-996 lbs. 60.25, ten loads and part loads same grade 3-4 944-1036 lbs. 60.00. Choice 875-1050 lbs. 58.00-59.75. Mixed good and choice 2-3 850-1000 lbs. 55.50-58.00. Good 2-3 49.50-55.50. Small lots standard and good 2-3 48.00-50.00.

COWS: Utility and commercial 2-4 39.00-42.00. Cutter 37.00-39.50. Canner and Low-cutter 33.50-37.00.

BULLS: 1-2 1300-2100 lbs. 45.00-49.00, individual 50.00-51 00, couple promising high dressing per centage 53.00. MGI.

FEEDERS: Moderate volume mostly choice 881-1140 lb. steers 59.00-60.50. MGI.

Pa. Auction Summary

Market Report of 11 Livestock Auctions
June 2, 1978

CATTLE 6188 Compared to 8068 last week and 8346 a year ago. Compared with last week's market, slaughter steers and bullocks $1.00-2.00 higher. Slaughter heifers $2.00-3.00 higher. Slaughter cows steady to 50 cents higher. Slaughter bulls steady to strong. High Choice & Prime slaughter steers 61.50-63.75. Choice YG 58.00-63.00. Good 53.50-60.00, Standard 47.00-55.00, few Utility 40.00-50.00. Choice slaughter heifers 55.00-59.00, Good 49.00-55.00, Standard 44.00-49.00, few Utility 44.00-46.00. Utility & Commercial slaughter cows 40.00-44.00, Cutters 38.50-42.00. Canner & L. Cutter 35.00-39.75, Shells down to 30.00. Few Choice slaughter bullocks 52.00-58.00, Good 49.00-54.00, few Standard 45.00-50.00. Yield Grade #1, 1000-2000 lbs. 46.75-53.25, few Yield Grade #2, 850-1500 lbs. 44.50-48.00.

FEEDER CATTLE: Good and Choice 350-800 lbs. steers 50.00-58.50, few to 65.00. Bulls Medium and good 400-700 lbs. 45 00-58.00, few to 64.50.

CALVES 2373. Compared to 3350 last week and 4135 a year ago. Vealers steady to $5.00 lower. Few Prime vealers 85.00-89.00, Choice 65.00-85.00, Good 60.00-75.00, Standard & Good 110-130 lbs. 58.00-63.00, 90-110 lbs. 54.00-65.00, 70-90 lbs. 40.00-56.00.

FARM CALVES: Holstein bulls 90-120 lbs. 60.00-81.00 Holstein Heifers 90-130 lbs. 60.00-96.00.

HOGS 5656. Compared to 7458 last week and 6264 a year ago. Barrows and gilts steady. US No. 1-2 200-225 lbs. barrows & gilts 52.00-53.50, No. 1-3 190-240 lbs. 50.50-52.50, No. 2-3 190-260 lbs. 48.00-51.00, few No. 2-4 250-280 lbs. 43.50-48.00, few No. 1-3 160-190 lbs. 48.50-49.40. SOWS steady to $1.00 higher US No. 1-3 300-600 lbs. sows 42.00-47.00, few No. 2-3 400-600 lbs. 38.50-45.00. BOARS 30.50-38.25.

FEEDER PIGS 1112. Compared to 1584 last week and 1767 a year ago. Steady to $2.00 higher. US No. 1-3 20-35 lbs. feeder pigs 29.00-42.00 per head, No. 1-3 35-50 lb. 40.00-53.00. Graded Feeder Pigs 3127. Compared to 2864 last week and 3086 a year ago. Mostly steady to $10.00 lower, spots $20.00 lower. All prices per hundredweight. 1-2 20-40 lbs. 100.00-151.00; 40-50 lbs. 103.00-138.00; 50-75 lbs. 90.00-118.00. 2-3 20-40 lbs. 90.00-139.00, few to 150.00; 40-50 lbs. 100.00-131.00. 3 40-75 lbs. 79.00-119.00; Utility 20-55 lbs. 67.00-98.00.

SHEEP 412. Compared to 744 last week and 956 a year ago Spring or Wooled slaughter lambs uneven. Choice 50-110 lbs. 65.00-77.00, Good 50-95 lbs. 55.00-68.00. Slaughter ewes 14.00-32.00.

Oklahoma

June 1, 1978
Thursday Feeder Cattle Auction

Estimated Receipts 12,000
Same Day Last Week 12,025

Moderately active, feeder steers under 700 lb. weak to 1.00 lower, feeder steers over 700 lb. 1.00-3.00 lower, feeder heifers 50 cents to 1.00 lower; majority receipts choice 450-800 lb. feeder steers and 400-700 lb. feeder heifers; moderate attendance buyers.

FEEDER STEERS: Choice 250-400 lb. 68.25-75.00; 400-500 lb. 67.00-72.50; 500-600 lb. 62.50-68.00, few part loads 505-522 lb. 69.90-70.30; 600-700 lb. 59.00-64.00; 700-800 lb. 58.00-60.75; 800-950 lb. 56.25-59.00, small lot 835 lb. at 70.00; mixed good and choice 300-500 lb. 63.00-66.50; 500-600 lb. 60.50-61.50; 600-700 lb. 55.25-59.75; two small lots 738-749 lb. 57.00-58.70; few good 400-715 lb. 53.75-56.75; few good 500-860 lb. holstein steers 54.00-54.25.

FEEDER HEIFERS: Choice 300-400 lb. 61.00-62.50; 400-500 lb. 58.50-60.50; 500-600 lb. 56.00-58.50; 600-700 lb. 56.00-57.50; mixed good and choice 300-500 lb. 56.00-58.50; 500-600 lb. 53.50-56.50; 600-712 lb. 53.00-55.25; good 300-700 lb. 50.00-52.75.

FOR THE WEEK: Compared to late last week, feeder steers under 700 lb. weak to 1.00 lower, feeder steers over 700 lb. 1.00-3.00 lower, feeder heifers 50 cents to 1.00 lower; slaughter cows 50 cents to 1.00 higher, late sales utility and commercial 2-3 36.25-41.00, cutter 1-3 32.75-36.50; bulls closed weak to 50 cents lower, week sales consisted yield grade 1-2 1000-1700 lb. 43.75-49.50; salable receipts near 24,400 head compared to 30,552 head last week and 17,957 head the same week a year ago. Cows and bulls near 8 per cent of cattle receipts, feeder near 92 per cent of the total.

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8-32-16	139.50	140.50	19-19-19	146.00	148.00
10-20-20	125.00		20-10-10	125.00	
12-24-24	140.50	142.00	0-14-42	114.50	
			0-26-26	122.50	

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EDITORIAL COMMENTS By DIETER KRIEG, EDITOR

Cows haven't jumped to the moon, but...

The dairy business is an amazing business.

Consider the progress that has been made, for example, since the days of the milking stool and milk can. Amazingly enough, it parallels the advancement that has been recorded in some other industries, such as aviation.

A cow hasn't gone to the moon yet, but her production levels are phenomenal compared to her yields during the days the Wright Brothers experimented with airplanes. A cow with 300 pounds of butterfat in a year's time was regarded as quite a producer two generations ago, while her modern cousin doesn't get similar applause unless she's produced about three times that much. Just 20 years ago, 400 pounds of butterfat was considered good. But no more.

Consider milking practices It has only been a generation ago since quite a number of dairymen milked their cows by hand. Now nearly everyone has machines We've progressed from bucket units and suspended pails to fancy automated parlors and pipelines Many dairymen are now using machines which remove teat cups automatically. Electronic equipment records each cow's milk production displaying each tenth of a pound by digital readout

Milking practices, and indeed dairy herd management have entered the computer age.

One dairy equipment manufacturer offers a system which contains a computer, memory, and printer. While this is a relatively new innovation for individual dairymen, it is a concept which is here to stay.

The modern milking parlor, with its control knobs, digital read-outs, and monitoring lights, bears a bit of resemblance to a pilot's cockpit

Sanitation has come a long, long way too More often than not, milk touches neither human hand nor air between the cow and the farmer's bulk tank.

The process of cooling the milk has taken a giant leap Spring water used to do the job Now, rapid cooling is possible with sophisticated refrigeration. What's more man has devised methods through which the warmth from the milk can be used to heat water.

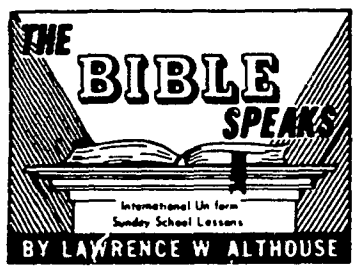
Innovations in feeding are numerous. The scene has changed in more ways than one. Rations are improved. Every ounce of nutrition is being considered. Feeding a cow is no longer a matter of tossing hay and silage Rather it's a science which takes body needs and feed costs into strong consideration.

While many dairymen prefer hand feeding in stanchion barns, that doesn't mean it has to be done that way A touch of a buttom will bring silage to the cows, providing, of course, that the machinery is in working order

Push-button farming has arrived. There are buttons for feeding, cleaning and even milking.

Another good indicator of the changes we've seen is the office. To many dairymen of even just 10 years ago, the "office" was the neat little metal box which the breeders' cooperative provided him with. It was hung on a wall or a door

(Turn to Page 14)



THE DIVINE LIKENESS

Lesson for June 4, 1978

Background Scripture:
Acts 13 through 14.
Devotional Reading:
Isaiah 52:7-10.

Two things amaze me as I encounter people throughout the world. One is the amount of skepticism I find—call that "unbelief" if you like—the other is the amount of credulity—or "overbelief."

Some religious observers are calling ours "the age of unbelief." So much has been discarded or discredited that once we held sacred. Churches are losing ground in terms of church membership and the temporal as well as the spiritual power of religion seems to have slipped so greatly.

We also are men

Yet, at the same time I am often amazed at the credulity I find. Some people, it seems, will believe anything they are told. They will follow blindly the leadership of a religious totalitarian leader. They will send their money to religious groups that are scarcely more than a name to them. The field ripest for sheer fraud and exploitation, it seems, is still religion.

This was also the experience sometimes of the early church. There were times when it must have seemed to Paul, for example, that there was absolutely no receptivity to his message of Christ. But there were other times and other places where the response was too much belief instead of too little.

One of these times and places was at Lystra during Paul's first missionary journey. Because he healed a man who had been crippled from birth, the people of Lystra jumped to the conclusion that he and Barnabas were gods who had come to the earth in the form of men.

Paul and Barnabas were shocked and it was only with great effort that they persuaded the Lystrians not to worship them and offer sacrifices "Men, why are you doing this?" they cried. "We also are men, of like nature with you, and bring you good news, that you should turn from these vain things to a living God.." (14:15).

You are witnesses

Yes, Paul and Barnabas were men just as the Lystrians were. Yet, there was a difference, too, a difference the Lystrians misinterpreted. They saw the Holy Spirit moving in them and assumed that these two men were gods come to earth. But the "difference" they saw in Paul and Barnabas was not that "gods" have come down in the likeness of men," but that in these two men the likeness of God was being made manifest. The promise that Jesus had given his disciples was that they would become God's sons by virtue of his Sonship.

The writer of Genesis was convinced that man was created in God's own image and Jesus displayed perfectly the full extent of that divine image that can be realized in the life of every person.

We have spent enough time casting God in man's likeness. The time has come to let the divine likeness shine forth in man.

NOW IS THE TIME

By Max Smith, Lancaster County Agricultural Agent
Phone 394-6851

TO SOW TEMPORARY FORAGE CROPS

Dairy and livestock producers who are short on summer pasture might consider the sowing of either sudan grass or one of the sudan-sorghum crosses. These summer-time crops will grow fast and make considerable pasture or green forage.

In this part of the country these crops are sowed during late May and the month of June; with normal weather conditions they are ready to use in 6 to 8 weeks. The sudan grass should be at least 18 inches high before using; the crosses of sudan and sorghum should get at least 24 to 30 inches high before using. To permit livestock to eat them at an earlier stage of maturity increases the risk of prussic acid poisoning; they need to reach the above stage of growth before being safe to use.

TO BE CAREFUL WITH HERBICIDE EQUIPMENT

Many folks use weed killers on various crops; most of these are selective and will do a good job. However, the residue in the equipment needs some attention. Most of the 2, 4-D materials will stick in sprayers or containers for years. The best way to avoid trouble is to have separate equipment for weed killer materials. The next best thing to do is to make a special effort to clean out the sprayer after each herbicide is used. Small hand sprayers, or sprinkling cans have been responsible for injuring many rose bushes, grape vines, or tobacco plants Be careful about using weed killers because the residue is dangerous for years.

TO BE ALERT FOR CORN INSECTS

Since our growing season is a week or so behind schedule this year, no doubt many of our insects are also not on schedule; this is all right with most folks if they never catch up; however, no doubt there will be fields of corn attacked by both army worm, cut worms, and stalk borer in the very near future. This may happen more severely in no-till corn fields than those that have been tilled more thoroughly; this has been the experience of the past several years.

Growers are urged to insepct their fields several times each week to observe the insect infestation. The 1978 Agronomy Guide is the reference book that should cover the material to use for the various corn and crop insects. Don't let the insects hurt your corn crop without a struggle.

TO HAVE FARMER SUPPORT

For the past several years I've been aware of the support to save good farm land for food and fiber production; there have been numerous meetings and events discussing the subject A common pattern at these activities seemed to be that the non-farm folks in the rural areas are more interested in preserving good farm land that farmers themselves. Farmer attendance and participation was very low.

I recognize the many angles to agricultural zoning, but we should realize that to zone a tract of land in agriculture does not mean that it is unsaleable or worthless. Records show that the majority of local farms sold at auction go to other farmers for farming purposes.

Also, the prices have not been low. It could be time for more farmer interest and input into farm land preservation.

Farm Calendar

Today, June 3

Loganville 4-H garden project at Pleasant Acres.

Performance tested ram sale, Penn State University, Meat Animal Evaluation Center, University Park, 2 p.m.

Lancaster 4-H County Council car wash, at the Farm and Home Center, 10 a.m. to 4 p.m.

Charolais breeders' sale, Carlisle Livestock Auction Market, noon

Monday, June 5

The Manheim Chapter of Young Farmers meets at the Wokman Farm, East Petersburg, to discuss Johnsongrass eradication and Tordon 10K certification Farm located ¼ mile off Route 72 along Greystone Rd

Wednesday, June 7

York County 4-H Council meets at 7 30 p m at the 4-H Center near Bair Softball will be played

Lancaster County Conservation District will hold its regular monthly meeting at the Farm and Home Center, 7:30 p.m.

Wool Pool at Reading Fairgrounds, 7:30 a.m. to 3 p.m.

Hunterdon County (N.J.) Board of Agriculture holds monthly meeting at the Extension Center, 8 p.m

Thursday, June 8

COWAMP meeting for Berks and Schuylkill County residents, 7:30 p.m at the Metropolitan-Edison Auditorium, 2800 Pottsville Pike, Muhlenberg Twp, Reading.

Friday, June 9

Weaver's Poultry holds Open House at hatchery facilities.

Saturday, June 10

Solanco Sportsmen's Club holds "Kiddie's Day" at the Club's grounds, along Route 372, east of The Buck 10 a m to 2 p m

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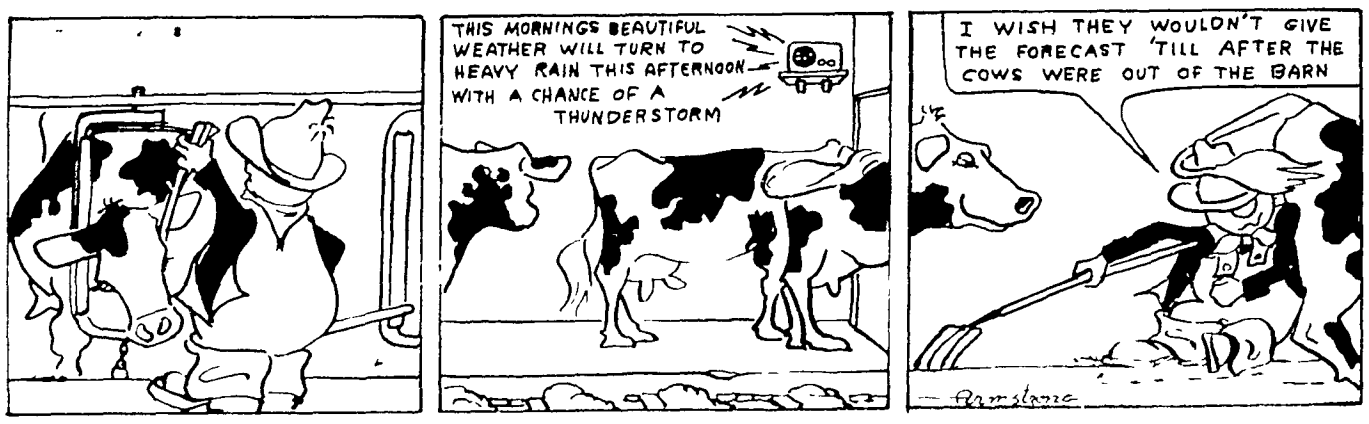
Rural Route By Tom Armstrong


THIS MORNINGS BEAUTIFUL WEATHER WILL TURN TO HEAVY RAIN THIS AFTERNOON WITH A CHANCE OF A THUNDERSTORM
I WISH THEY WOULDN'T GIVE THE FORECAST 'TILL AFTER THE COWS WERE OUT OF THE BARN
Armstrong

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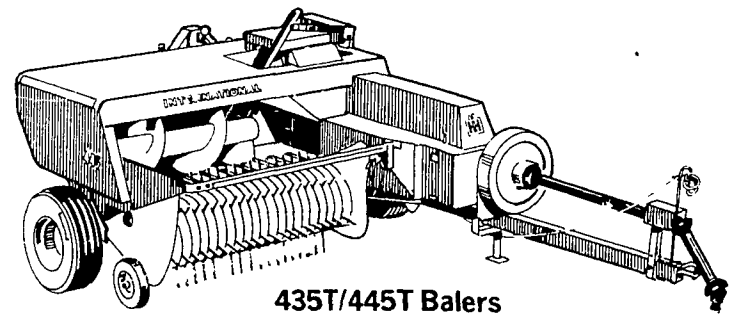

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Farm equipment sales

Sales outlook stays mixed for farm equipment

CHICAGO, Ill. – The nation's farm equipment manufacturers continue to reflect mixed feelings about future sales.

The recent survey of manufacturers by the Farm and Industrial Equipment Institute shows they expect dollar volume sales of field equipment might be down as much as five per cent in 1978, but that farmstead equipment sales might increase by five per cent over 1977. This reflects a slight overall upturn from a similar survey taken at the end of 1977 and published in the January FIEI State of the Industry report.

The optimistic outlook for farmstead equipment appearing in the May Update of the FIEI State of the Industry takes into consideration the improving conditions of livestock farmers who use such products The report, based on a new survey taken in early April, was given at the FIEI Marketing and Management Conference by the Farm Equipment Division President, Boyd C. Bartlett, Deere & Company.

In making the report, Bartlett pointed out recent major events favorably affecting agriculture may not be reflected in the forecasts, particularly for field-type equipment. The survey indicated manufacturers as a group thought total farm tractor sales for the year might be 146,400 units, a decline of about 5.5 per cent from 1977.

But Bartlett noted wet and cold weather which delayed Spring planting, improved set-aside provisions, increased financing and forecasts of reduced production in several foreign countries, helped bring about a rise in crop and livestock prices during the last few weeks. These events apparently were encouraging enough to farmers that an unforeseen increase in equipment sales was one of the results

He cited the latest FIEI industry report that showed retail sales in April, of tractors in the 40 horsepower and above class, were 16 per cent higher than in the same month last year. This was the highest April for unit sales in more than ten years for the farm equipment industry. Sales in January, February and March were trailing year-ago figures, as had been expected.

Here is what the State of the Industry survey manufacturers anticipated in other product lines: A drop of 6.3 per cent in self-propelled combine sales to 27,000 units. A 27 per cent drop in cotton stripper sales from 2,060 units a year ago to 1,510 units this year. They expected a slight decrease of less than 200 units in moldboard plow sales and the same for chisel plows, but thought field cultivator sales would increase by two per cent and disk harrow sales by 700 units.

An increase was also predicted in the sales of windrowers and swathers, mower-conditions, manure spreaders, large balers, and grinder-mixers.

Farmstead-type equipment manufacturers thought 1978 would bring higher sales in all product categories. The positive factors they credited for the favorable outlook included higher livestock prices, and the need for more on-farm storage

A number of the manufacturers also sell lawn and garden equipment and their report indicated they expect sales to increase five per cent this year.

The Farm and Industrial Equipment Institute is the national trade association for farm equipment manufacturers. Having been founded in 1893, it is one of the oldest manufacturers trade associations in the nation.

Western Maryland Stockyards

Westminster, Md.
May 30, 1978

BUTCHER CATTLE: Medium run, prices steady. Fat Steeers Good demand, top 58.50; Good-Choice 50.00-58.50; Standard 42.00-49.50; Heifers, Good to 49.00. Cows Medium run, mostly steady, Good Cows, to 44.00, few to 48.75; Standard & Utility 38.00-41.00; Canners 35.00-38.00; Shells 35.00 Down; Bulls Strong Demand; Top 50.75

BUTCHER HOGS: Light run; steady with last week; Top Hogs 50.85; Bulk 200-225 lbs. 50.00-50.85; 230-260 lbs. 49.00-50.25; 170-190 lbs 45.00-48.00; Heavy Weights None; Sows to 42.50

VEAL CALVES: Medium run, mostly steady prices. Tops, to 87 00; Good-Choice 70.00-87 00; Standard 60.00-70 00; Light calves 45.00-60.00; Weak & Rough 45.00 Down.

STOCK CATTLE: Good run, mostly steady Stock Steers 40.00-66.00; Stock Heifers 35.00-64.00; Stock Bulls 40.00-63.75.

PIGS AND SHOATS: Good run, active bidding, By the head 15.00-45.00, shoats to 56.50; by the lb. to 56.50.

Soil loss for fields can be calculated

LANCASTER – By using the newly developed "Universal Soil Loss Equation", the U.S. Soil Conservation Service personnel can determine approximately how much soil is being lost, in tons per acre, from a cultivated field, and they can recommend conservation practices that will help reduce this soil loss to a safe level.

For help in determining soil loss and needed conservation practices, one should contact the local Soil Conservation Service. In Lancaster it is located in the Farm & Home Center, Room 4, 1383 Arcadia Road.

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Field work still ten days behind schedule

HARRISBURG – State Agriculture Secretary Kent Shelhamer said this week that the latest information from the Pennsylvania Crop Reporting Service shows that most farm field operations are now 10 days to two weeks behind last year's progress.

According to the weekly crop and weather roundup for the week ending May 29, crops responded well to the combination of early week moisture and late week warmth. The week was the warmest week in the state since last September. However, the rain and subsequent wet fields again limited the commonwealth's farmers to three days suitable for fieldwork.

Two-thirds of the farm reporters rate soil moisture as surplus while one-third are reporting adequate supplies. Soils in southern counties are drying.

At 87 per cent complete, plowing is 12 days behind 1977. At this time last year, plowing had been completed. Northern counties have 83 per cent done, central counties stand at 90 per cent and southern farms are now 91 per cent finished with Spring plowing.

All fruit crops are rated about three weeks behind last year. Peaches are 90 per cent in or past full bloom while apples show 86 per cent in full bloom. Cherries are now all in or past full bloom. Strawberries are ranging from bloom to fruit set with 1978 crop prospects looking good.

At 51 per cent planted, corn now lags the 83 per cent of 1977 by 10 days. Southern areas report 64 per cent, central counties show 49 per cent and the north is at 44 per cent planted. Many fields have been too wet to spray and operators are expecting more than usual weed conditions.

At 15 per cent, soybean planting is 12 days behind the 56 per cent done a year ago. The north is one-sixth done and central areas are at 30 per cent. Southern operators seem to be concentrating on corn and report only six per cent of their soybeans planted.

Potatoes are 72 per cent planted, 10 days behind the 93 per cent in the ground last year at this time. Virtually and 51 per cent is planted in the north.

Oats at 93 per cent planted are 12 days later than last year when all had been planted at this date. The crop is all planted in the south, 94 per cent in central counties, and 89 per cent in the north. Cereal leaf beetle is active in oats. Barley is 22 per cent headed with 37 per cent in boot, 13 days behind last year when 72 per cent was headed. Less than five per cent is headed in the north, 18 per cent in central counties and 40 per cent is headed in the south.

At six per cent headed and 36 per cent in boot, wheat is 11 days behind the 44 per cent of last year. None is headed in the north, seven per cent is headed in central counties and 10 per cent is headed in southern counties.

Hay condition is now rated good by two-thirds of the farmers reporting and fair by the remainder. Less than five per cent of alfalfa has had a first cutting with nearly all of the cut alfalfa going for silage. Pastures are providing an average amount of feed. Both hay and pastures are now making rapid progress.

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Milk may reduce cholesterol levels

SOUTHAMPTON – Whole milk as everyone knows, has butterfat (21 grams per pint) which contains cholesterol (150 milligrams per pint). Some people may be avoiding milk to keep the blood-cholesterol level down. But, if early research findings at England's University of Cambridge are borne out, milk in the diet could reduce cholesterol.

According to a recent article in Vogue, scientists Alan N. Howard and John Marks put volunteers on diets including two quarts of whole milk or skim milk daily, calorie-adjusted to prevent weight gains. Careful measuring of blood cholesterol before, during, and after return to regular diets yielded some surprises. The skim-milk diet showed the greater dip in cholesterol, but the subjects' cholesterol count dropped on the whole-milk diet also. A diet with butter added, but no milk, raised cholesterol.

The British scientists concluded there must be a substance in milk that blocks cholesterol absorption, even with butterfat present. It can't be milk's calcium, which only slightly reduces cholesterol, since calcium, too, was checked separately.

The research team is trying to isolate milk's anti-cholesterol factor. Meanwhile, they believe they have the key to the mystery of the Masai people of Africa; who drink as much as a gallon of whole mailk daily, have low blood cholesterol and almost no heart disease.

There's nothing more natural than June brides and milk. Although Joyce Graybill (see Joyce Groff) and her husband Dale were married on March 18, they naturally had a milk toast since she is involved with dairy promotion on the state level. Along with a milk toast, Joyce and Dale invited several dairy princesses to add a special touch to the festivities.

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Cows haven't jumped to the moon, but...

(Continued from Page 10)

somewhere, and was filled with breeding receipts, registration papers, and anything else that dealt with the farmer's business in the barn While that handy little box has by no means been replaced, more and more dairymen are considering paneled offices complete with filing cabinets, a nice desk, telephone, and fancy charts which record heat cycles and calving dates

Breeding programs have advanced spectacularly. Forty years ago, artificial insemination was born A I enabled dairymen to improve genetic material at a faster rate than ever before Frozen semen gave that program a significant boost, just like booster engines gave our rockets that extra punch to go to the moon

Another milestone in dairying is ova transplanting It's now possible to have hundreds of offspring from a top cow It's done by removing her eggs and surgically transplanting them into "foster mothers."

The list of advancements could go on and on Dairy technology has definitely not been standing still. There's evidence of that in all phases Only a few were mentioned here

A lot of people deserve to be congratulated for the productivity of the dairy business Among them are the folks at A I organizations, breed associations, feed companies, dairy equipment sales and service centers, and universities. Credit is also due to Extension agents, vo-ag teachers, DHIA testers, milk inspectors, marketing agents, and of course the dairyman himself They, and others, all work together to produce the most wholesome nutrition available to us

Here's a hearty salute to all who provide us with our milk!

King elected to Nat. 4-H Council

CHICAGO, Ill. – Dr. Thomas B. King, associate director of the Cooperative Extension Service and associate dean, Pennsylvania State University, University Park, was elected to the board of trustees of National 4-H Council at its annual meeting here May 25.

The council is a nonprofit corporation administering $9 million in private-sector support for 4-H. Its programs and services are designed to enrich the experiences of youth both domestically and internationally, strengthen volunteer leadership, and build visibility and understanding of 4-H

King is one of 20 representatives of business, education and government serving on the council's board.

He has served as head of the Department of Animal Science for five years and formerly was Extension livestock specialist and chairman of the Extension Animal Science Section

A native of Glen Campbell, Pa., King received his bachelor's and master's degrees from Penn State and his Ph. D. in animal science from the University of Illinois. He is a past president of the American Society of Animal Science.

King is a member of the Pennsylvania Conservation Commission, the Pennsylvania Farm Show Commission and the Pennsylvania State Rural Development Committee. He has worked closely with the Governor's Office of State Planning and Development in implementing a state land use policy program, and currently serves on the Pennsylvania State Planning Board.

Thomas B. King

First pizza

Breakfast in ancient Rome was usually bread topped with yesterday's leftovers. A Tiber baker got the idea of turning up the edges of his bread so the leftovers wouldn't slide off. This was the world's first pizza

Shelhamer plans

(Continued from Page 1)

from across the nation competing in lightweight, middleweight, and heavyweight divisions.

"Friday night's arena attraction should be one of the all-time fun nights" according to the Agriculture Secretary. Farmers' Fun Night will put the spotlight on teams representing counties, farm organizations, dealers with a few politicians. The teams will be meeting to decide state champtions in such diverse competition as cow chip throwing, log sawing and chopping, bale throwing, rope pulling and hog calling. Eliminations will be held during the afternoon Friday in preparation for the evening's finals."

Plans are also in the works for seminars for farmers on machinery, equipment, repair, maintenance, mechanics and farm safety

The First Pennsylvania Farm Equipment Expo has all the necessary ingredients to quickly become an established spring tradition for farmers and dealers alike.

As sponsor of the show, the Pennsylvania Department of Agriculture is extending a cordial invitation to farm equipment dealers, manufacturers and farmers to attend, and anticipates a warm welcome for the show from Pennsylvania's farm community.

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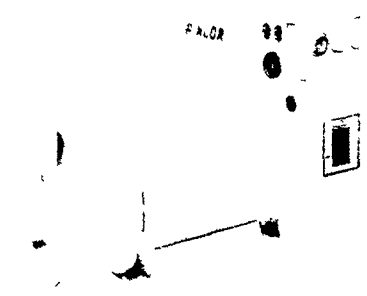

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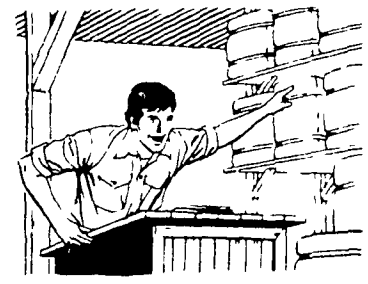

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Berks County dairymen describe management problems

By LAUREL SCHAEFFER
Staff Correspondent

READING – Breeding and mastitis seem to be the largest problems facing Berks County dairyherds at present, but none of the dairymen contacted by **Lancaster Farming** are doing much complaining. There are always a few problem cows they agreed, but that isn't anything to worry about.

Charles Lamm, Sinking Springs R5, is particularly pleased with his dairy cows at present. "There's an old saying," he remarked, "if you have cows, you have problems, But," he quickly added, "If I don't have any more problems then I have had this year I'll be very happy."

Lamm is presently milking 71 Holsteins and considers himself very lucky as far as problems with his herd are concerned. He is especially pleased with the high milk production he is getting from his cows and even from his first calf heifers. "I don't want to brag," he stated, "but some cows are milking over 90 pounds and some of my first calf heifers are milking in the 60's and 70's."

Breeding and mastitis problems are not plaguing this herd, with the exception of maybe one of two cows. Lamm attributes his success to his careful watch of the herd and special care of his milking equipment. "When it's milking time," explained this dairyman, "I want to be here. I want to personally know how the cows are doing, and I always milk unless there is a dire emergency."

Keeping the milking system in good shape and dry treating the cows have proved the greatest help in Lamm's battle with mastitis. The equipment is kept very clean and in good repair. The vacuum lines and pulsators are kept working properly and steady and the inflations are watched closely.

"Problems cost money and we don't need them," Lamm remarked. "I've had them before and know the headaches they can cause."

Roger Buch, Fleetwood R2, doesn't believe he has any more or less problems then most dairymen. He too is presently satisfied with the milk production and mastitis control in the approximately 45 cows he is milking.

"Catching the cows in heat is the biggest problem I have right now," he commented. Breeding has been a problem for the last several years. Buch has his herd checked routinely every five weeks and the cows are treated whenever necessary.

There is nothing major as far as problems go, he explained, we have a cow get sick once in awhile and don't lose many calves at all. If any, time would be his greatest problem right now he related.

Joe Ruth of Vista Grande Farm, Fleetwood, also commented that the greatest problem he faces is time to get all the work done. "I can't complain about anything right now," he told **Lancaster Farming.** We might have mastitis in one cow but that isn't a problem or anything to worry about.

Ruth is satisfied with the present situation in his 70 cow milking herd. Milk production is running average, he feels and they have plenty of hay on hand, which is a blessing. "Hay is too high right now," he commented.

Dean Hartman of Scattered Acres, Reading, related that the greatest problem in his herd is probably mastitis, but breeding is also a problem.

"It all depends on what you call a problem," stated the dairyman. I call breeding a problem if a cow isn't rebred within 60 or 90 days, he explained.

To combat the breeding problems Scattered Acres has their dairy herd on a monthly health program. We found the cows are anemic and are now feeding a reccommended commercial anemia mix, Hartman explained.

Mastitis is presently "losing ground" in the approximately 110 to 115 cow milking herd. Milking equipment is checked regularly and properly maintained. Inflations are changed regularly and all of the equipment is thoroughly cleaned. "We were having less problems with mastitis until last week when one of the pulsators wasn't working properly," Hartman commented.

The vacuum system was also changed recently which has been causing the pulsators to work improperly. The dairy herd was also put on the somatic cell count program through DHIA, "but I don't know how much it helps," related the young dairyman. We've had cows that had reports come back with 1's or 2's but had mastitis by the time we received the reports.

Mastitis has also been showing up in the dry cows, even though they are all dry treated. "We have tried everything to solve the problem," Hartman explained, "but not feeding them seems to work best."

Presently the Hartman's feel the recent heat is playing an increasing factor with whatever problems they may have by adding an extra stress to the herd.

Charles Kissling, Robesonia R1, seems very happy with his dairy herd at present. "We keep the cows in during the hot weather, away from the heat, insects, and mud," he said, and have very few problems at the present time. Kissling leaves the herd out during the evening at about 5:30 and they are kept on pasture during the night.

There are always a few minor problems but we don't have any major ones, he continued. All of the cows are dry treated and are checked by a veterinarian on a monthly basis from a few weeks after calving until they are ready to breed. Problems such as infections are taken care of as soon as possible.

The herd which includes an average of 43 to 44 lactating cows is also blood tested on a yearly basis for tuberculosis and brucelosis, and vaccinated for leptospirosis. Kissling's son, Timothy, recently graduated from Penn State University and is now running "the show" the dairyman explained.

"If I see any problem," commented Kissling, "it is in the costs of new machinery. There seems to be no end to the climbing costs," he added. There are always a few cows that can't be bred, we can expect that, he remarked.

All of these dairymen seem to be satisfied with the present prices they are getting for their milk.

Strawberries here, crop looks good

(Continued from Page 1)

want the rain when we're getting into full harvesting." Right now we're fighting the birds, who try to mark the berries. When they see those bright red spots in the field, they fly right down and that doesn't help matters "

"I didn't expect the strawberries to do this well," he continued. "I didn't expect them to be this nice at all. Most of the fruit crops this year I think are going to be scare, but not the strawberries."

At Funk's Farm Market, Millersville, the first strawberries were picked yesterday, on Friday. While spolesman Rudy Grub noted that it would be a small picking with a limited supply, he stated that by Monday, unless the weather changed greatly, there would be quite a lot of the strawberries ready

"The strawberries are on the plants heavy, they really look good," he observed "The crop looks extra good, with the strawberries being a good size, and yields should be high "

He thought that by June 12 the "pick your own" season would be started in the area and people would be able to take to the strawberry patches to pluck those red, ripe fruit

Concerning the price of strawberries this year, growers saw very little change with estimates ranging from prices being the same as last year for picking your own to perhaps a nickel higher All in all, there is no scarity of the product expected

Other growers of the fruit related too, that their crop was coming along nicely One farmer who raise a later variety of strawberries told that it looked like his crop would be ready in about two weeks, but "you never can tell for sure " He and others stated that their crops have been coming along nicely after such a late start and that they were looking and hoping for good, hot weather

"I think it was these good soaking rains that did the trick," one man decided "They sure started to look better after those rains What I don't want to see now is hail All I want is hot weather "

No serious problems were reported with disease or pests in the strawberry patches as again farmers related that after a slow start the fruit is expected to surpass first estimates

Leroy Heisey, in charge of the strawberry fields at Herr Fruit Farms, shows some of the large berries already picked. The foliage of the plants is heavy and the crop looks good throughout the Lancaster Farming area.

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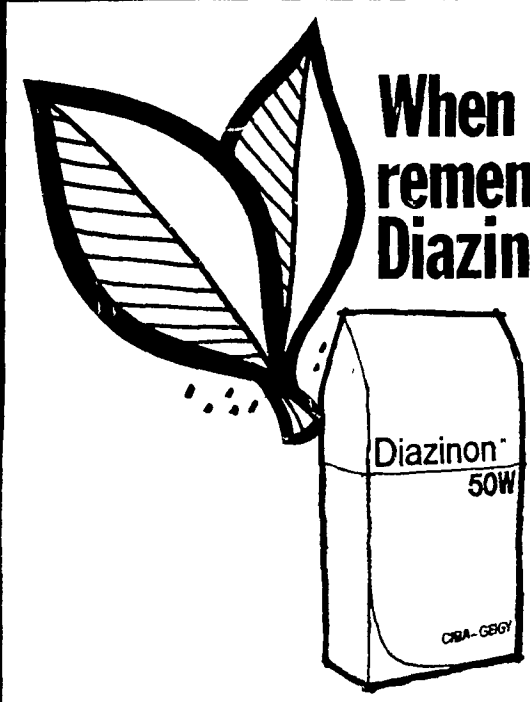

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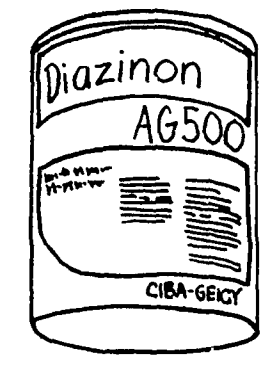

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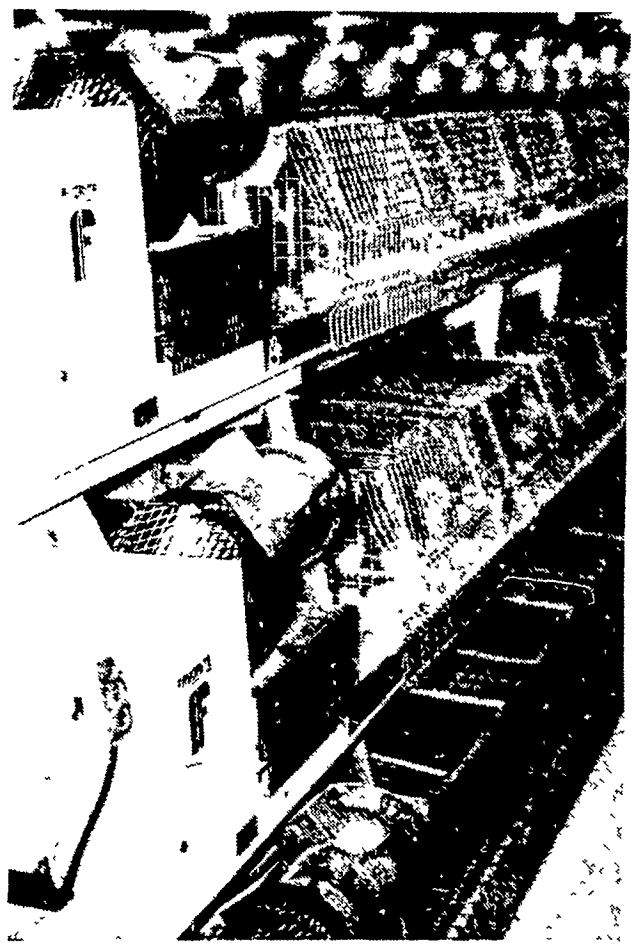

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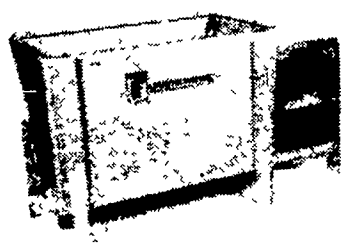

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Ice cream history shows Nero ran hot and cold

ROSEMENT, Ill. – Nero might have had a "hot" time fiddling around while Rome burned, but he also had some "cool" ideas. The famous emperor was, for example, reputed to have sent teams of runners into the mountains for snow and ice. The frosty slush was brought to his table flavored with fruit juices and honey, an early version of the modern fruit ice.

Those flavored ices, from which ice cream eventually evolved, were popular with the 4th century B.C. nobility Then, in the 13th century A.D., Marco Polo returned to Europe from China with recipes for water and milk ices.

Following this, Italians began putting containers of water beverages in dishes of snow mixed with saltpeter for faster cooling. Then, at the end of the 18th century, Tortoni introduced cream ices to France and England.

The recipe for ice cream was at first kept from the masses, making it an exclusive treat for royalty. But after the formula became known, the delicacy was available to everyone.

Ice Cream in Colonial Times

By 1776 there were several U.S. confectioners who specialized in making ice cream and many important Americans who enjoyed eating it. The frozen delicacy's popularity led confectioner Philip Lenzi to place the world's first newspaper advertisement for it in the May 12, 1777 issues of the **New York Gazette** and **Weekly Mercury.**

An entry in the books of a New York caterer indicated President George Washington spent about $200 for ice cream during the summer of 1790. He even had his own ice cream making equipment. Inventory taken at Mount Vernon at the time of his death revealed "two pewter ice cream pots."

Thomas Jefferson treasured various ice cream recipes for their preparations, including one 18-step process in which ice cream ended up encased in warm pastry.

It was Jefferson who introduced vanilla beans to America in the 1700's when he brought them over from France after serving as minister to King Louis XVI. He also imported several ice cream recipes including one for vanilla which quickly caught on and has remained America's favorite.

Dolly Madison glamorized ice cream at the great state dinners she staged. President Madison's second inaugural banquet in 1812 featured a strawberry ice cream finale.

Ice Cream Making Progresses

The freezing process for ice cream was simplified in 1786 when a freezer with rotary paddles was invented. This kept the product smooth while freezing. It also stimulated the manufacture of ice cream in large quantities for selling in retail stores and restaurants.

Most of the 18th century ice creams were naturally flavored with fruits and berries native to specific areas. In Tidewater, Va., greengage plums and fig/black walnut trees were plentiful and provided the popular ice cream flavors of that area.

In 1846, ice cream making was introduced to the world of the average citizen when Nancy Johnson, an innovative woman from New Jersey, invented the hand-cranked ice cream freezer. It was an immediate sensation.

Five years later, the first wholesale ice cream was manufactured in Pennsylvania by Jacob Fussell, Jr., a Baltimore milkman who discovered that the production of ice cream could be a profitable way to utilize surplus cream.

Some Important "Firsts"

The ice cream soda was developed by Robert M. Green at the 1874 semicentennial celebration of the Franklin Institute in Philadelphia. He was supposedly serving a cream, syrup, and carbonated water beverage. Upon running out of cream, he substituted vanilla ice cream.

Historians disagree as to exactly where the ice cream sundae was created, but the event occurred around 1890. One story about the "Sundaes" origin involves Evanston, Illinois' legislation against ice cream sodas, or the "Sunday Soda Menace" as they called it. Confectioners fought back by serving ice cream minus the soda, but with the syrup. The combination was named for the day, but spelled "sundae."

H.L. Mencken, however, attributes the creation of the "sundae" to Ed Berner who owned a soda fountain in Two Rivers, Wis. Supposedly, a customer entered Berner's establishment for a nickle dish of ice cream, and suggested Berner put some flavoring on it. Berner added chocolate syrup and the customer loved it.

According to Mencken, the name "sundae" was given to the dish by George Giffy of Manitowoc, Wis. Convinced the 'new concoction would put him out of business at a nickle a dish, he served it only on Sundays as a loss leader. The name stuck and later "ae" was substituted to differentiate it from the day of the week.

The ice cream cone developed out of necessity at the St. Louis World's Fair in 1904. A dish was needed for serving ice cream, so a wafer-like waffle was rolled in the shape of a cone or cornucopia then filled with ice cream. It became an instant hit.

The eskimo pie was invented in 1921, the Good Humor Bar in 1922 and soft-serve ice cream in 1939.

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7	3.52	3.77	3.91
8	3.94	4.22	4.38
9	4.47	4.78	4.96
10	5.01	5.35	5.56
11	5.69	6.08	6.31
12	6.37	6.81	7.07
13	7.37	7.88	8.18
14	8.25	8.83	9.16
15	9.42	10.06	10.44
16	10.55	11.27	11.69
17	11.79	12.60	13.07
18	13.21	14.11	14.64
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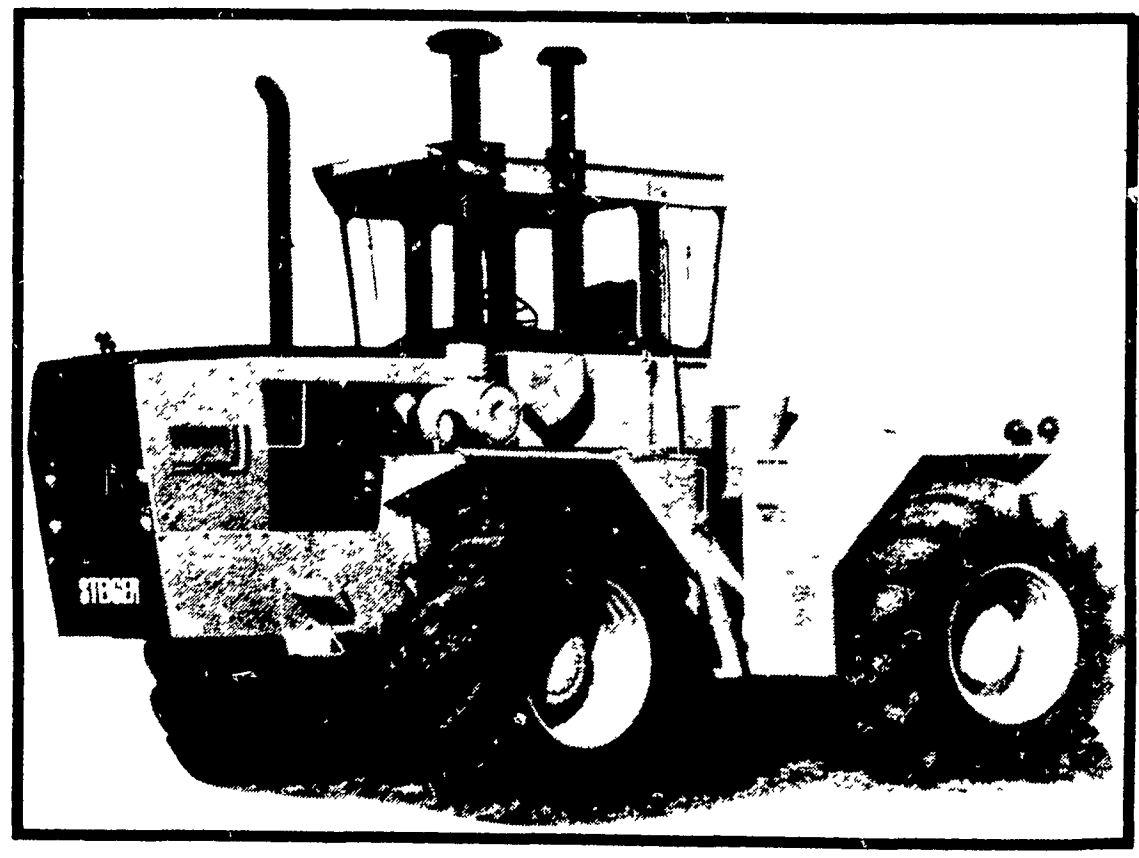

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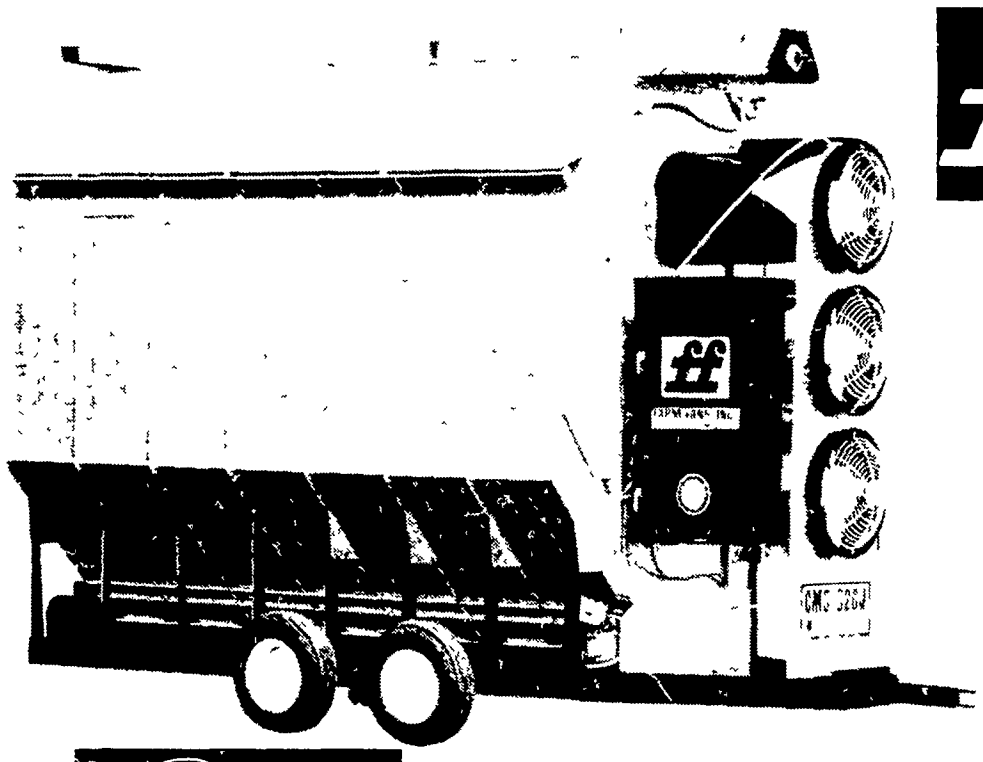

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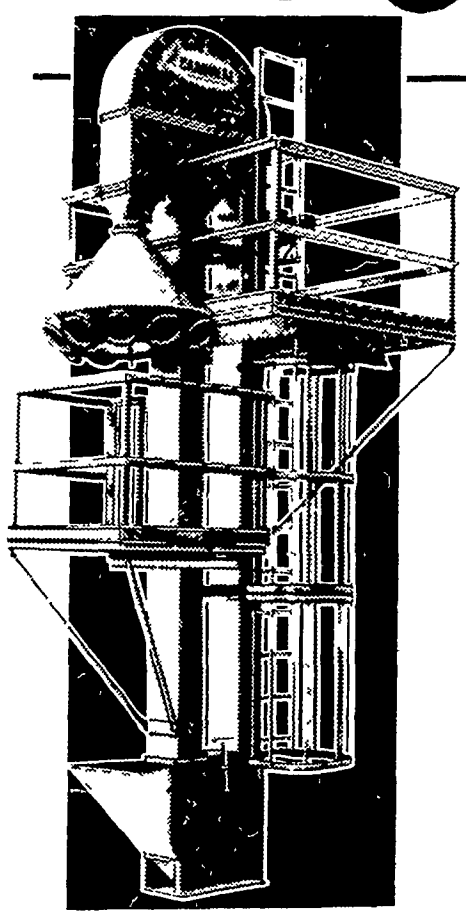

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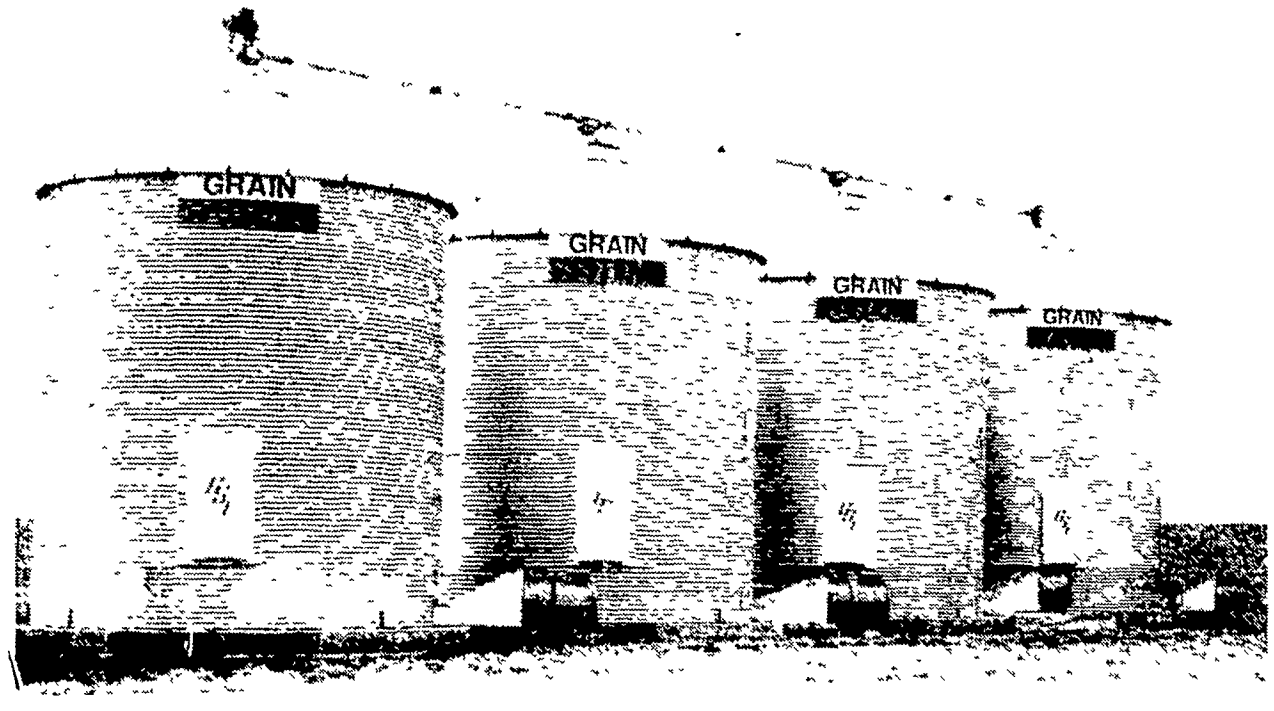

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Strong milk sales give good outlook

Arden Tewksbury

(Continued from Page 1)

the dairy industry has "changed completely around both from the standpoint of production and sales. Sales for manufacturing milk are coming on much stronger than was projected."

But it's not all cream yet.

Inter-State's Dr. Hand commented further that "right now, things are lousy." He explained that there is still too much milk – homeless milk – in some regions, including the Middle Atlantic Area. That has created intensive competition and has resulted in one New York dairy cooperative offering milk in Order 4 at below Order 4 prices.

The Philadelphia-based dairy economist commented further that the prices dairymen will receive for milk shipped last month will likely mark the low point for the year. Beginning this month, prices should rise gradually for both Class I and II milk. "Demand is strong for manufacturing milk, putting us into a much improved supply and demand situation," Hand explained.

Hand and Strock both look forward to the opening of Holly Milk, a new milk handling facility which is jointly owned by Maryland Cooperative Milk Producers (MCMP) and Inter-State. Nearing completion now, the $8 million plant, located near Carlisle, is expected to open in early July. Ground for the facility was broken in April of 1977.

Noting that surplus production has been a problem in the area and that an outlet for that milk has been needed for a long time, Strock says that once the Holly plant is opened, "there'll be a place to go with that milk."

Strock, whose office is in Baltimore, Md., believes milk sales and prices will stay favorable for the remainder of the year. His reasoning behind that prediction has two prongs which compliment each other. They are higher beef prices and a strong demand for manufacturing milk. As meat prices continue to rise, demand for Class II (manufacturing milk) is likely to strengthen. The reason is that consumers will turn away from meat as prices go up, and replace their protein diet with cheese.

Statistical studies have proven such trends in previous years. On the other side of the coin, higher meat prices will continue to lure dairymen to markets with poorer cows. Thus, supplies aren't likely to shoot ahead of demand and milk prices will stay secure.

"Most people are fairly bullish now for the remainder of the year because higher meat prices will bring consumers to cheese. That's helping a great deal. I look for fairly favorable supply and demand conditions. Rising feed prices will also curb production," MCMP's chief declared.

Eastern's president Arden Tewksbury, who operates a dairy farm in northern Pennsylvania, is optimistic about the next few months, but not at all without concerns. His feeling is that there are still plenty of problems within the dairy industry and that dairymen should be working towards solving those problems. "The thing that scares me the most is that we still haven't done anything to produce milk in line with demand. Nor have we done anything up here (in Order 2) to balance our costs among all producers," he said.

A dairyman who has been in business for the past 21 years, Tewksbury notes that dairy farmers have been faced with the same problems throughout this time. He is somewhat disappointed to see relatively little progress being made to bring production and costs to more manageable terms.

With regard to the crisis situation experienced throughout the Northeast a few months ago when an estimated 3000 dairymen lost their markets, Tewksbury observed that people were scrambling then. "Now people are relaxing again," he commented. "I would urge everyone to work in the direction of remedying the problems that have been existing."

Dr. Paul Hand

While Order 2 has more severe production problems than Order 4, Tewksbury notes that the base plan of the Middle Atlantic Area doesn't iron out production problems completely. He'd like to see dairymen in all areas tailor their production patterns to the needs of the market.

"Hopefully we can learn something from the past few years," the Eastern president continued. "I think we in the industry can take steps towards rearranging production," he said, adding that Eastern is giving serious thought to restructuring its marketing activities. More details on that may be forthcoming when the 8000 member cooperative holds its annual meeting in Syracuse, N.Y. on Wednesday, June 7.

Tewksbury, is cautious about making any predictions, observing that while production patterns are

Ralph Strock

John York

encouraging and cull cow prices are good, the comparatively high price for milk could cause dairymen to increase production.

At Lehigh Valley Cooperative Farmers, John York notes that milk prices are strong and the dif-

(Turn to Page 38)

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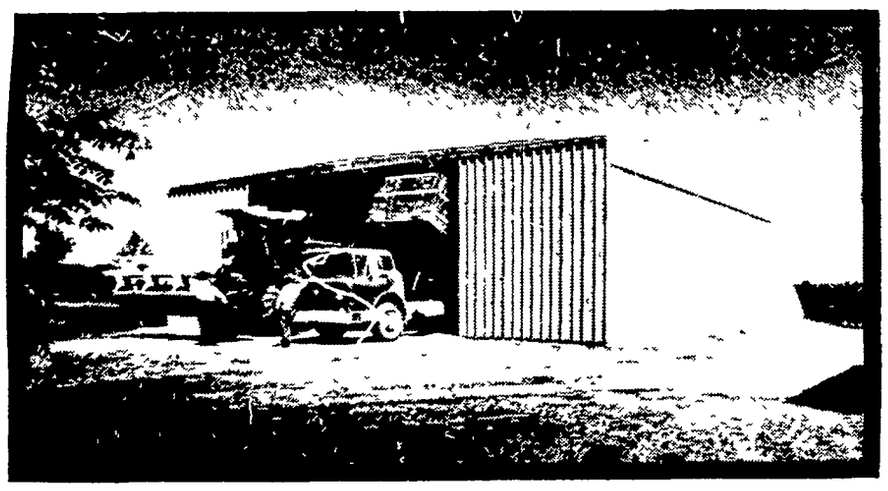

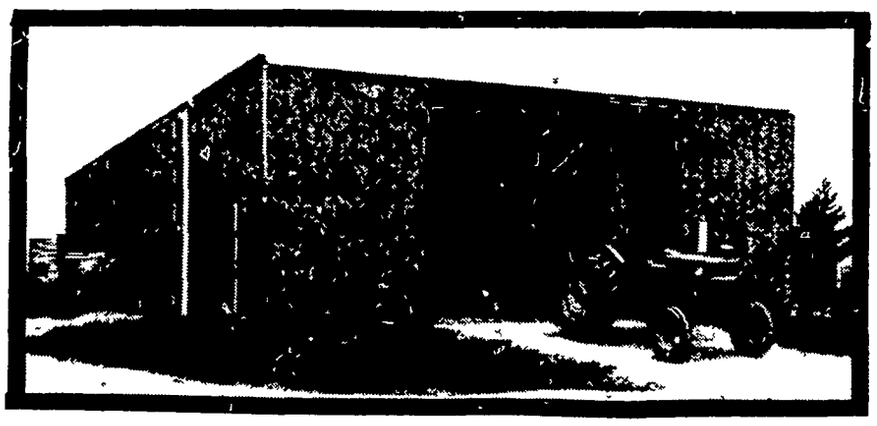

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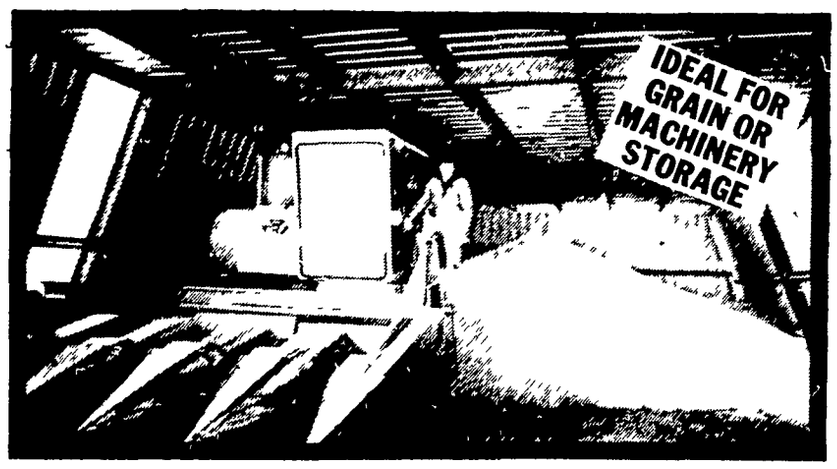

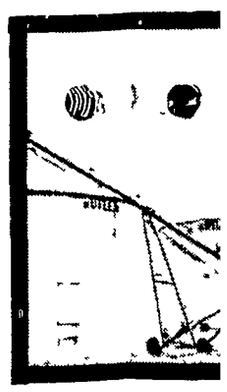

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Owen J. Roberts FFA officers elected

Officers elected for the 1978-1979 term included, in the front row, Susan Kulp, treasurer, Chester Soltys, vice president; Daryl Schaefer, president; and Arthur Kulp, student advisor. In the second row are: Louis Dolenti, reporter; Peter Evans, parliamentarian; Dale Keen, secretary; and Richard Weiss, sentinal.

POTTSTOWN – Owen J. Roberts FFA recently announced the election of officers for the 1978-1979 school year.

Those elected include: President, Daryl Schafer, Spring City; vice president, Chester Soltys, Spring City; secretary, Dale Keen, Glenmore; treasurer, Susan Kulp, Pottstown; reporter, Louis Dolenti, Jr., Pottstown; sentinal, Richard Weiss, Jr., Spring City; student advisor, Arthur Kulp, Pottstown; chaplain, Edward Pufko, Birchrunville; and parliamentarian, Peter Evans, Spring City.

Vice officers were also elected to the group. Vice vice president will be Charles Mountcastle, Jr., Elverson; vice secretary, Kathryn Soltys, Spring City; vice treasurer, Eric Mienzenger, Phoenixville; vice reporter, John Eltz, Pottstown; vice sentinel, James Wiand, Pottstown, vice student advisor, Richard Leaper, Glenmore; vice chaplain, Jeffrey Frame, Glenmore; and vice parliamentarian, Raymond Kolb, Pottstwn.

1977 Class I sales declined in Order 2 despite amendment

NEW YORK, N.Y. – Sales of fluid milk products (Class I) under the New York-New Jersey marketing orders continued to decline in 1977. They totaled 4,544.0 million pounds, 2.7 per cent below last year.

However, the percentage decline for November and December 1977, the first two months under the amended Orders, was only 1.3 percentage points.

February and September 1977 were the only months that showed increases in total Class I over the previous year.

Class I products utilized 47.2 per cent of the total producer receipts in 1977, the lowest percentage since 1955. An important factor in this low rate was the increase in the total amount of milk pooled, a trend which began in June 1977. Record lows in the Class I utilization percentage were set in the months of July through November.

Receipts of Class I-A milk at plants and bulk tank units in Pennsylvania during 1977 totaled 1,356.3 million pounds an increase of 49.6 million pounds over the previous year. New York and New Jersey Class I-A milk declined 140.3 and 35.8 million pounds, respectively. New York's proportion of total Class I-A receipts in 1977 was 65.0 per cent compared to 66.3 per cent a year ago.

More than half of the total Class I-B milk in 1977 was received at plants and bulk tank units in Pennsylvania, 12.0 million pounds or 50.1 per cent.

Food prices up

The average American family will probably pay $300 more for food in 1978 than it paid in 1977. The U.S. Department of Agriculture expects the cost of food to rise about six percent in 1978. But, according to an articles in CNI Weekly Report, the USDA tends to underestimate such food cost rises in its predictions, and the real rise is more likely to be about eight per cent – or as much as food rose during 1977.

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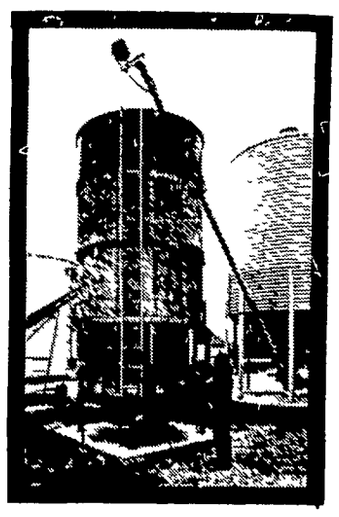
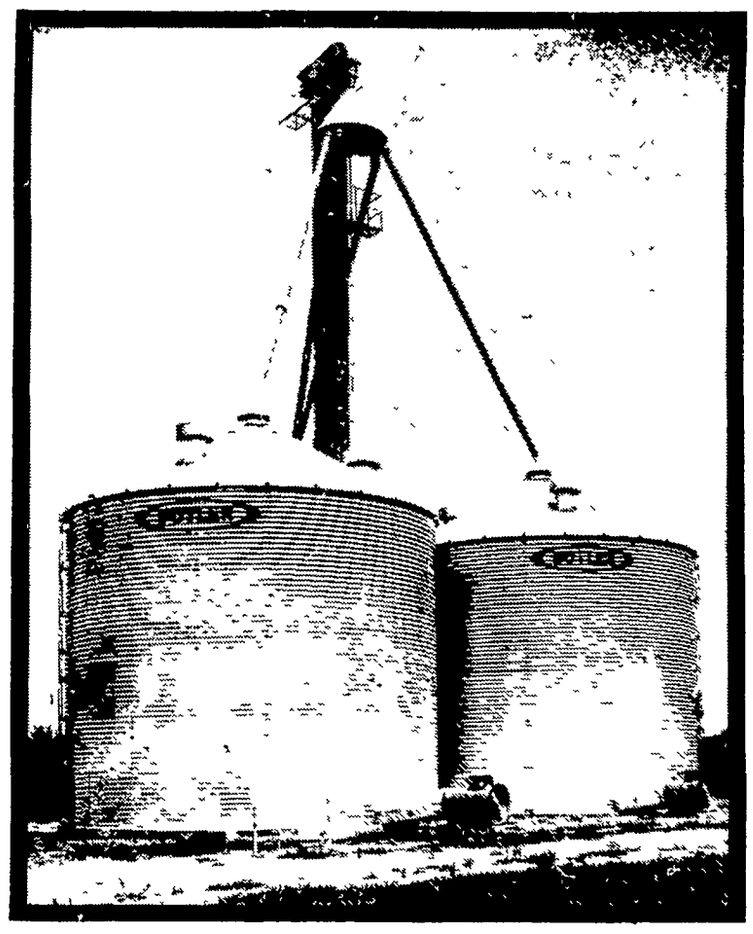
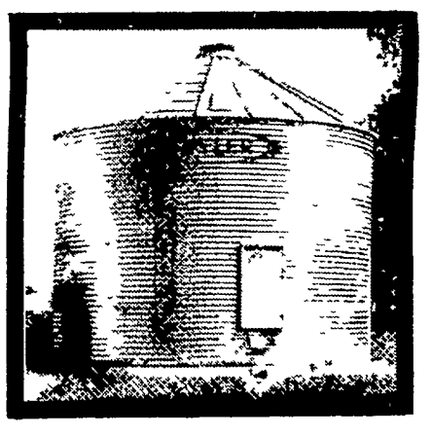
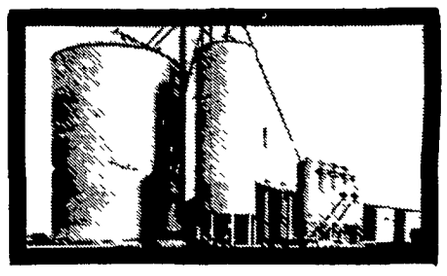
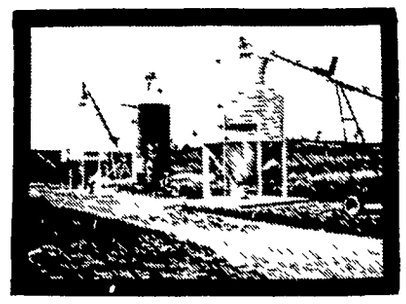
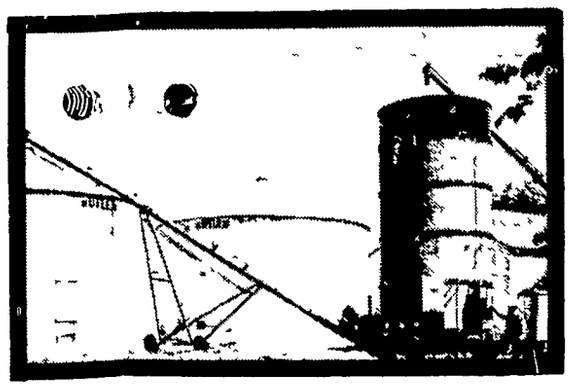
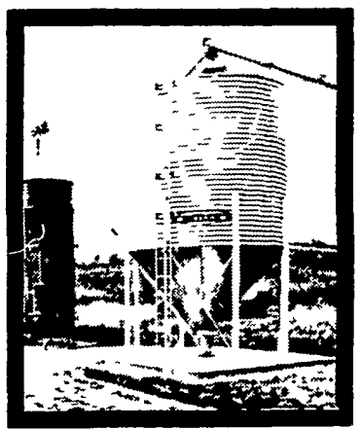

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ROSEMONT, Ill. – United Dairy Industry Association is an industry financed and directed promotional organization representing approximately 70 per cent of the milk produced in America, with distribution in 43 states.

UDIA was formed in 1971 to coordinate the advertising and marketing services of American Dairy Association product and process research and development projects of Dairy Research Inc. and nutrition research and education programs of National Dairy Council in a total promotion program dedicated to increasing sales of U.S. produced dairy products.

Through UDIA national programs are developed to maintain and build markets for milk and other dairy products. They reflect the cooperation and input of member organizations, and are structured for use at regional or local levels.

USIA also performs those functions that are economically efficient on a national basis, such as purchasing network television advertising time or implementing nationwide print campaigns.

UDIA's marketing and economic research division is involved in many phases of the organization's total promotion program It compiles data necessary to establish product and program priorities. Services range from pretesting advertising and evaluating recipes to analyzing markets for sales campaigns.

Communication divisions maintain corporate consumer, trade and member organization information programs. They furnish product, program and organization activities information to education, agriculture dairy/allied industries, scientific and medical "publics."

Program planning/support and affiliated unit services are the field service divisions of UDIA They maintain close liaison with member organizations in planning, budgeting and program development.

ADA promotes milk and other dairy products on a non-brand basis through consumer advertising and sales promotion events. Point-of-purchase materials are installed in 19,000 food stores throughout the country during each Summer, Fall and Winter promotional period.

ADA's marketing services division conducts dairy department management training workshops for food chain executives and retail food store personnel. Approximately 25,000 have completed the one-day training course since the program began in 1970.

Foodservice, the new ADA division created in 1977, is preparing to implement programs designed to increase use of dairy products in the increasingly important away-from-home market.

DRINC, funds projects related to product/process research in universities throughout the country, and at the research laboratories at the U.S. Department of Agriculture. Product and process development projects are conducted with leading dairy cooperatives, major commercial food processors and equipment manufacturers.

Nutrition research is the foundation of the NDC program. This function establishes the nutritional value of dairy foods in the diet. Only scientifically acceptable nutrition information is used to promote good eating habits, including the use of dairy foods, to achieve optimum health.

Through its nutrition education program in schools, NDC teaches teachers about nutrition. They, in turn, instruct children about diet, including dairy products. Other programs are directed to leaders in governmental, professional, educational and consumer fields, providing them with factual nutrition information on dairy foods.

ADA's Six-Market-Test in 1966 showed that $1 invested in non-brand advertising and sales promotion campaigns returned $1.68 in added dairy sales at food stores.

Other indices of the effectiveness of USIA's Total Promotion Program are: Million dollar butter/cheese campaigns made possible with national budgets supplemented by member organization funds on a matching, cooperative basis; cheese consumption increased more than 90 per cent since 1965, and ADA's dairy case management training program enabled participants to increase sales from 15-45 per cent upon adoption of case stocking principles.

Also total sales of milk and dairy products continued to rise in 1977; cash receipts from dairying in 1977 were $2 billion higher than in 1975; and per capita civilian consumption rose 6 pounds to 554 pounds in 1977 (milk equivalent, fat solids basis).

Through UDIA and its operating organizations/divisions working cooperatively in a total promotion program, America's dairy industry is able to adapt to changing times and grow with them.

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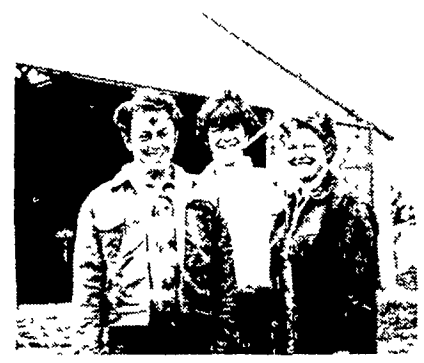

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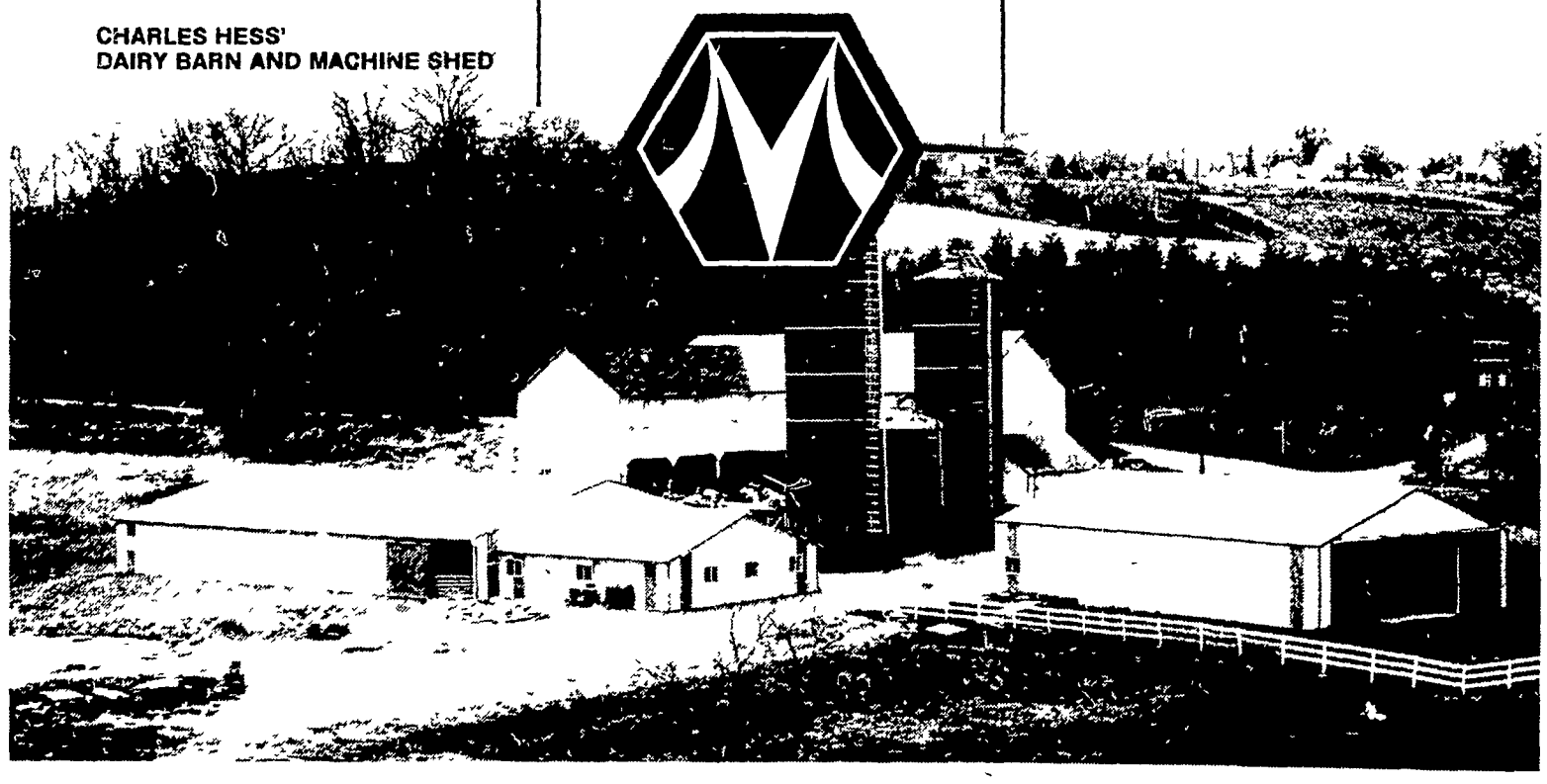

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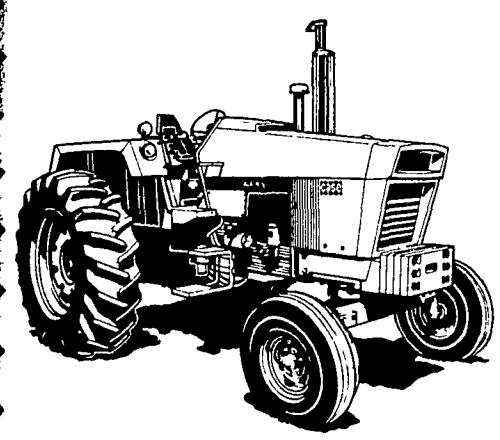

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Milk packaging evolution -- from can to bottle

ROSEMONT, Ill. -- "Milluk! Milluk! Milluk ho! Quick for I can't wait, - here I go!" So goes an old milkman's call to his customers back in the days when milk was delivered in metal cans hauled on the back of a horse-drawn wagon.

Carrying a can over his shoulder and a quart measure in his hand, the milkman poured the amount of milk the customer wanted into her own pitcher. Milk wasn't homogenized then, so stirrers were provided to mix it and avoid the problem of one customer getting mostly cream while others received a product close to skim milk.

Daily milk deliveries were necessary, because few homes had adequate refrigeration to keep milk longer than a few hours. Pasteurization was not introduced until the end of the 19th century and was not generally used until the early 1900's.

Shelf life of the product, or the time milk stayed fresh in storage, was not very long.

Milk distribution was primarily a home delivery business in the 1800's. In Boston in 1886, for example, 3350 people depended on milk for their livelihood. There were 529 home delivery drivers. Approximately 180,565 quarts were distributed daily (in eight-and-a-half quart cans). The dairy industry had to find a more efficient way to package and deliver milk to meet the growing demand for the product.

Milk Under Glass

A glass milk container was patened in 1878. It was actually a "jar" that featured a metal device with a rubber gasket and thumbscrew on top to hold down the glass cover.

Alexander Campbell in 1878 invented a bottle resembling the beer bottles then used, but it had a narrower mouth and included a "lightning" or tin top with a paper beneath it to prevent leakage; he also built the first factory in the United States for bottling milk in New York.

The Warren Milk Bottle, patented in 1880, was also used in New York. Made of flint glass, it incorporated the popular "lightning" top in which the cover was secured by a wire closure. "THIS BOTTLE TO BE WASHED AND RETURNED," was embossed on the sides.

Dr. Harvey D. Thatcher, a small-town druggist, designed a milk bottle. 1884 which became the first to gain nationwide popularity, along with a "milk protector" system which included a primitive milking machine designed to help farmers keep dirt and other impurities out of their milk.

In 1897, dairy farmers across the country were using the Thatcher milk delivery system and were bringing bottled milk into many rural areas; improvements included a tin closure held by a simplified wire snap.

In 1895, mechanical refrigeration was applied to fluid milk operations. Bottling devices, capping machines, can and bottle washers were also introduced.

Glass bottles dominated milk distribution during the first half of the 1900's. Design variations included the bulb-necked, cream top bottle which showed the cream that had risen, popular in the prehomogenization era. Glass bottling was expensive because of breakage, sorting, washing, handling, inspection and lost bottles.

In 1907, **Scientific American** reported on plain paper cylinder for milk. Made of spruce-wood paper, the container was submersed in hot paraffin for waterproofing and sanitation.

In January 1929, the cylindrical bottle, which was "spun" at the dairy plant from blanks, was filled then sealed on the narrow top with a rust-proof, tamper-proof metal clasp which was imprinted with the date.

In 1940, wartime restrictions slowed the use of paper, but then use increased rapidly. By 1952, nearly 40 per cent and by November 1967 approximately 70 per cent of the packaged fluid milk products sold in the country were in waxed or plastic coated paper containers.

Packaging reached another plateau with blow-molded, all-plastic jugs. These plastic jugs were convenient to use and offered better profit margins. They (1) were lightweight and easy to handle, (2) less subject to breakage, (3) easy to open and reclose, and (4) readily identified the products.

Asceptic Packaging

Milk can be stored for three months without refrigeration thanks to presterilized containers. Known as asceptic packaging, these sterile containers are used to package milk processed by Ultra-High Temperature (UHT). This revolutionary processing development involves heating milk to temperatures ranging from 275° to 300°F. from two to eight seconds, then rapidly cooling it.

Dairy whipping and coffee creams are now available throughout the country in the sanitary containers. Once these products are opened, they stay fresh as long as other dairy products under refrigeration.

Can to bottle, bottle to paper, paper to plastic traces the evolution of milk packaging in the United States.

Raw to pasteurized to homogenized to UHT traces product changes. Vitamin A is added to lowfat and skim milk; it's optional for whole milk. Fortification with vitamin D is optional for all forms of milk but it is added to about 98 cent of the country's milk.

President Carter to beef up consumer representation

WASHINGTON, D.C. – President Carter has moved to beef up consumer representation within the Executive Branch. He recently announced that consumer advisor Esther Peterson would assume greater authority in developing consumer representation programs in federal departments and agencies. As part of the plan, Mrs. Peterson has indicated she'll push pending legislation to pay for public participation in federal hearings. She has also asked cabinet officers and agency heads to implement aggressive consumer programs. One is an Office of Citizen Participation in the Secretary of Agriculture's office, with special emphasis on farm wife input into USDA policies.

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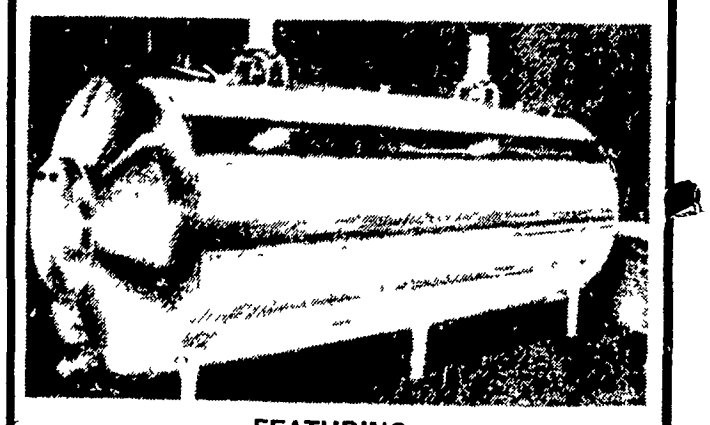

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Delaware dairymen show determination

NEWARK, Del. – The dairy business has always been demanding, and within the past decade or two it has undergone some very dramatic changes. Nevertheless, those who choose to pursue a career in dairying show determination and optimism. Some dairymen in Kent County, Delaware, and Extension agent, Dave Woodward, a former dairyman himself, tell why.

One Kent county farmer ready to "marry" the profession is Jacob Kramer, a former construction worker who is currently farming rented land until he can branch out on his own. He has had dairying experience and is realistic about what to expect. Kramer went to Woodward for advice on the piece of land he wants to buy and the building he plans to convert to a dairy barn.

"I know dairy farming has its limitations, but there's routine to any business and confinement with all types of agriculture" Kramer says. "Besides, dairying is more financially sound–you're pretty well assured of a steady income frm the milk and you have the option of selling your crops or putting them through the cows."

Feeding practices are one of the major changes of the industry, with most dairy farmers "putting their crops through the cows" these days rather than putting the cows out to pasture. Corn and small grains such as barley, rye, oats and wheat are made into silage and concentrates for year-round feeding. This way the excess grain crop can be sold and the former pasturelands can be planted in other marketable crops such as soybeans and field corn. To be efficient, says Woodward, the dairy farmer must be self sufficient.

But the more devastating changes in the dairy industry can be lumped under the general heading of "urbanization" Not only have higher land prices tempted farmers to go out of business, but the fact that there are people now living on this land creates problems for the dairy farmer.

New environmental regulations banning run-off into streams or major waterways have forced the farmer to find alternative–and often prohibitively expensive--methods for disposing of animal wastes.

In addition, labor problems have driven many others out of business. The hard work and long hours of dairying can't compete with the better benefits and wages offered by industry "The young people don't stay because there's not enough there to keep them," says Woodward.

True, there are fewer dairy farms than ever before, but those still in business are bigger, more efficient and produce more milk than ever before.

Bill Wells is another Kent county farmer who has learned that you must change with the times to make a go of a dairy business. And even then, he says, it's sometimes tough to "keep your head above the water."

In 20 years of production, this easy-going Felton farmer has gone from hand milking to bucket milkers to pipeline milkers. He's switched from gentle Jersey and Guernsey cows to lumbering Holsteins. He's added a milking parlor, increased his herd and changed his feeding practices and still feels he must constantly expand his operation to stay ahead.

Though Wells currently has 110 cows of milking age, he plans to increase his herd to 150 within the next five years. When he converted from the stall-type milking system to a milking parlor last summer, he cut his milking time by over an hour, making his plans for expansion all the more feasible.

A milking parlor doesn't bring you more money automatically, according to Woodward; it just allows you to milk more cows quicker with less labor. You must add more cows to increase net income.

"Another thing dictating my change to the milking parlor was that my stalls were built for 900-pound Jerseys and Guernseys instead of these 1500-pound Holsteins," says Wells.

The switch to Holsteins was a matter of pure economics for most Delaware dairymen. Holsteins produce a larger volume of milk with a lower butterfat content–a factor which significantly increases it marketability in today's cholesterol-conscious society.

"The inherited ability of the cow itself makes a lot of difference in her performance," says Wells. "And artificial insemination has allowed us much better control over the quality of our animals We artificially inseminate most of our cows and try to maintain a 12-13 month calving interval...if it stretches much longer than that, I run into problems.

All of Wells' milk is sold as fluid through a marketing cooperative. In fact, most of the milk produced in Delaware is marketed through one of the two cooperatives in the state. Though there are still a few private dairies around, the functions of the creameries, cheese and ice cream plants formerly scattered throughout the state have been taken over by the large, national companies.

In spite of the interest in dairy farming noted by Woodward, the actual number of farms continues to decline. Many of the people who think that getting into dairying will get them out of the rat race and back to nature don't realize how restricting the lifestyle is. Wells–who took his first vacation in five years last summer–will testify to that Improvements in the industry may have quadrupled production in the past 50 years but they've also served to turn dairy farming into a big business

"I can't really put my finger on any one thing that's a vital ingredient for dairy farming," Wells says, "other than the managerial ability to keep the place running.

"After all, they call it agribusiness now," he adds. "Haven't you heard?"

Co-op book offered

WASHINGTON, D.C. – The National Council of Farmer Cooperatives has announced publication of "What Your Legislator Should Know About Farmer Cooperatives." The booklet is a reference primer of cooperative information for use by congressmen and state legislators. It discusses the role of cooperatives, lists cooperative numbers and members by state, presents a capsule history of cooperative legislation, and includes the Capper-Volstead Act in its entirety. Single copies are free upon request from: Public Relations Department, National Council of Farmer Cooperatives, 1129 20th St., N.W. Washington, D.C. 20036.

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(Continued from Page 1)

Mount Joy have been zoned residential R-1 or R-2. There are also four residential R-2 zones in the farmbelt.

Before the ordinance was adapted, comments were heard both pro and con from the audience. In general, arguments centered over whether the move would affect the price of the farmland involved.

David Sweigart, a farmer who operates the Ridgeview Farms Dairy, Elizabethtown, expressed his opinion about the economic effect of this zoning.

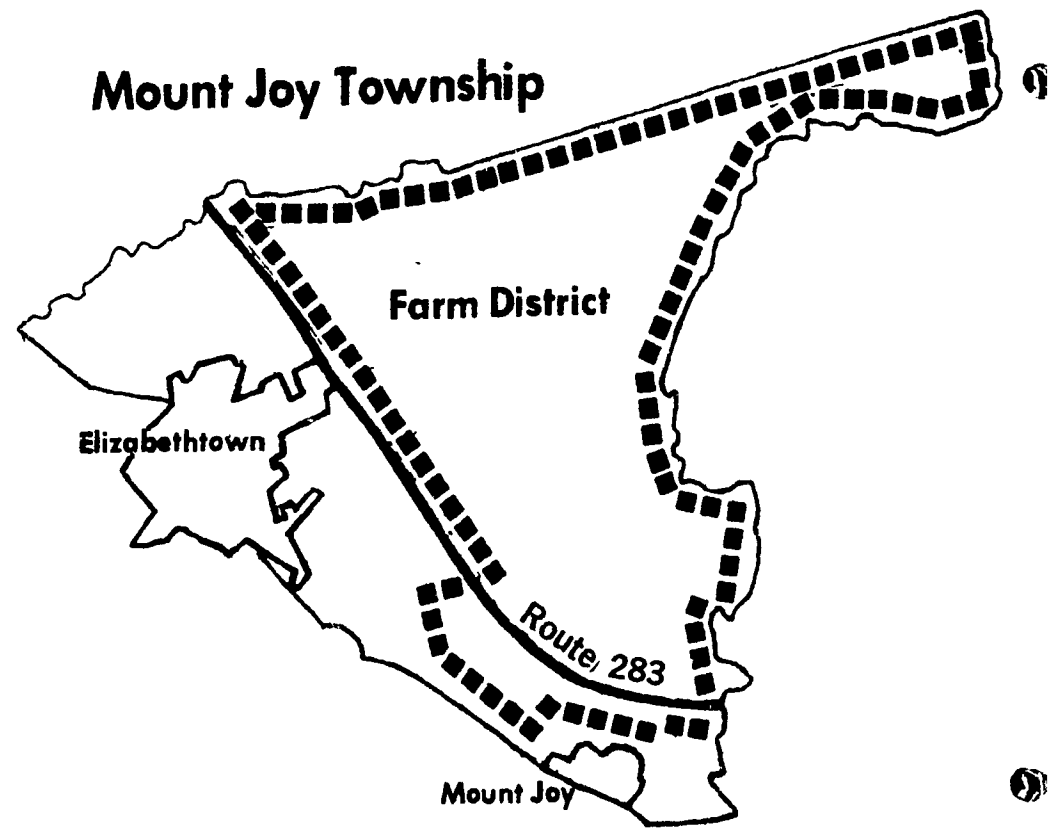
"Farmers farm all their lives," he stated, "and most of them are broke. The appreciating value of their land is their only asset. Why can't they sell to the highest bidder, who is usually the developer? If they want to sell three lots one year, and six the next year, and so on, why can't they?"

Warren Weaver, a Lancaster realtor representing the Homebuilders Association, noted that in his past experience, that "if only a few buyers are present, the land won't sell as high, it can for as much as 40 per cent less."

But Paul Wolgemuth stood up and replied that the farmland is disappearing. "The only time to preserve farmland is when you have it," he observed.

David Heisey, Elizabethtown, who is a local developer, wondered about the prices of land available for developing in the township. "Right now," he commented, "an average homeowner can't afford the price of a home. Only time will tell what this will do to the price of a home. The land available will skyrocket but the land in the agriculture district will decrease in value. Our only concern is that the farmers know what this will do."

But John Wolgemuth, another farmer in the area, stood and said that he thinks agriculture has paid its way in the land value in the past, and he doesn't expect the land value to drop by the zoning.



The map above shows Mount Joy township in Lancaster County where the new zoning ordinance will make the area within the dotted line basically agricultural.

Harold Musser, a poultry farmer from Elizabethtown, called the decision a victory for the farmers. He led the fight for restrictions and was happy with the decision.

Harry J. Graham, chairman of the township's planning commission, stated that the revision had been in the planning stage since 1975.

"We're trying to do the right thing," he commented. He added that the commission would consider some changes, specifically relating to the ten acre farms having small amounts of tillable soil.

Other comments for the zoning revision included saving the beauty of the land, and the conserving of the wildlife and resources.

The chief complaints about the code besides dealing with the price that the restricted farmland would bring, dealt with the control of the land's use that would be taken away from the farmer.

The ordinance has been praised by the Lancaster County Planning Commission, which cites it for the way it aims to protect prime agricultural land. According to the township officials, the protective rules were drawn up at the request of farmers

Other things covered in the revised ordinance include loosening the setback requirements for poultry houses, establishing planned residential development in the R-2 areas, tightening up sign regulations, and increasing the restrictions on mobile home parks.

Federal Orders handle 66% of nation's milk

WASHINGTON, D.C. – Almost 123,000 producers delivered nearly 78 billion pounds of milk to handlers regulated under the 47 Federal Milk Orders during 1977, approximately 66 per cent of the total milk marketed in the United States, Producer deliveries at Federal order plants during the year were 4½ per cent above the previous year. More than one-half of the increase was accounted for by the Upper Midwest and Iowa order markets. Average dairy deliveries per producer in all markets increased by 4.8 per cent and averaged 1,740 pounds during 1977.

In 42 comparable Federal Order markets, producer deliveries were up 2.0 per cent from a year earlier. Although the average number of producers delivering to these markets declined, the decline was more than offset by an increase in average daily deliveries per producer. Producer milk used in Class I in the 42 comparable markets declined about one-half percent. With deliveries up and Class I use down in these markets, the Class I utilization percentage declined from 56 to 55 per cent

Minimum Class I prices in Federal order markets averaged $10.59 per 100 pounds during 1977, 11 cents below 1976. Producer blend prices during 1977 averaged $9.69, down 6 cents per 100 pounds, reflecting the lower minimum Class I price and the lower Class I utilization.

Sales of lowfat and skim milk items increased again in 1977 as the longtime trends toward products containing lower butterfat continued. Whole milk sales in 1977 were below year-ago levels for the twelfth consecutive year. During 1977, lowfat and skim milk items accounted for almost 37 per cent of the total sales of fluid milk in comparable Federal marketing areas.

There are now 47 federal milk marketing areas encompassing an estimated 157.5 million people.

Horse show set

LANCASTER – The fourth annual horse show sponsored by the Humane League of Lancaster County Auxillary will be held on June 17 at the Lancaster Riding and Tennis Club. Raindate for the event is June 18.

The proceeds from this show go to the Humane League of Lancaster. The show is open to the public and all are invited to attend.

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New Gehl RB1500B round baler	7,200	5,775

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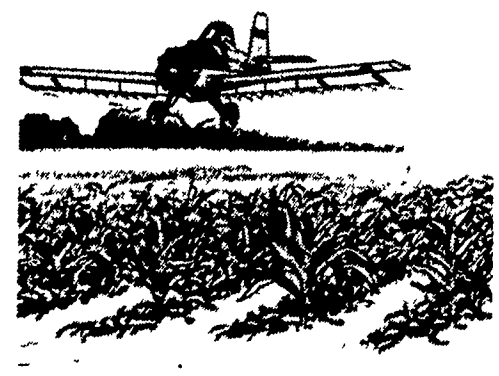

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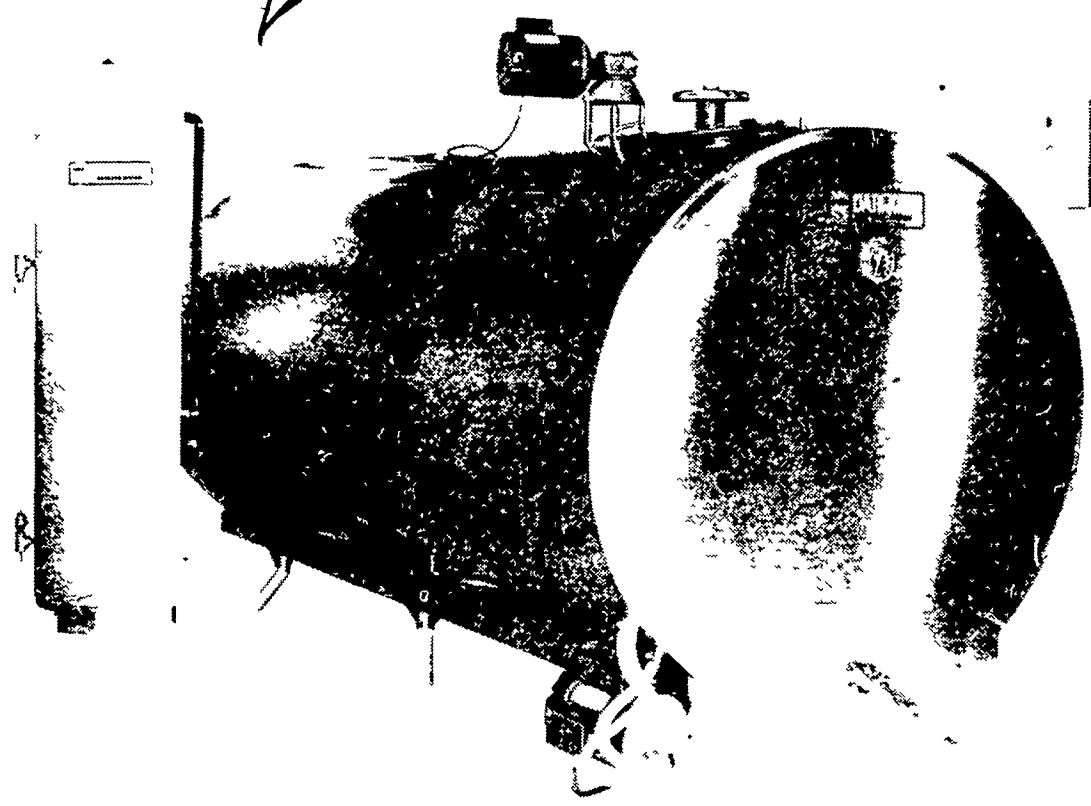

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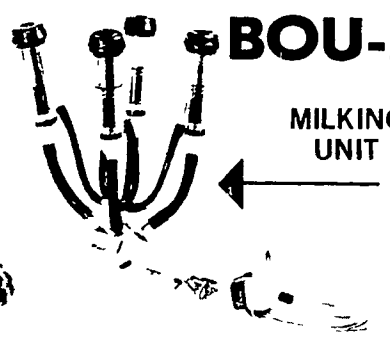
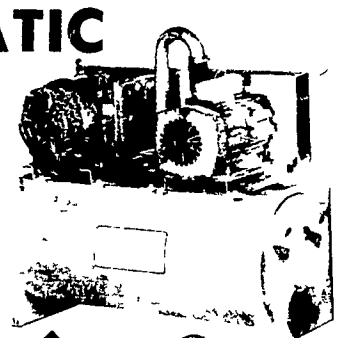


MILKING UNIT



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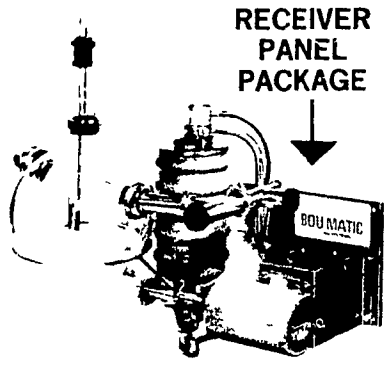
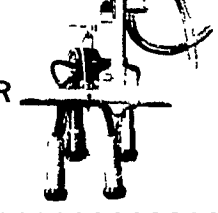


LITTLE CHAMP PIPELINE DETACHER



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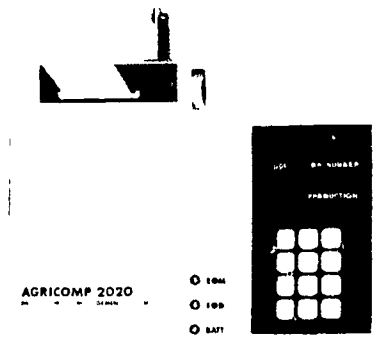
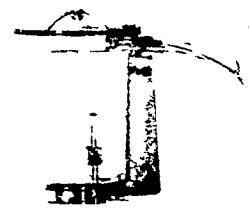
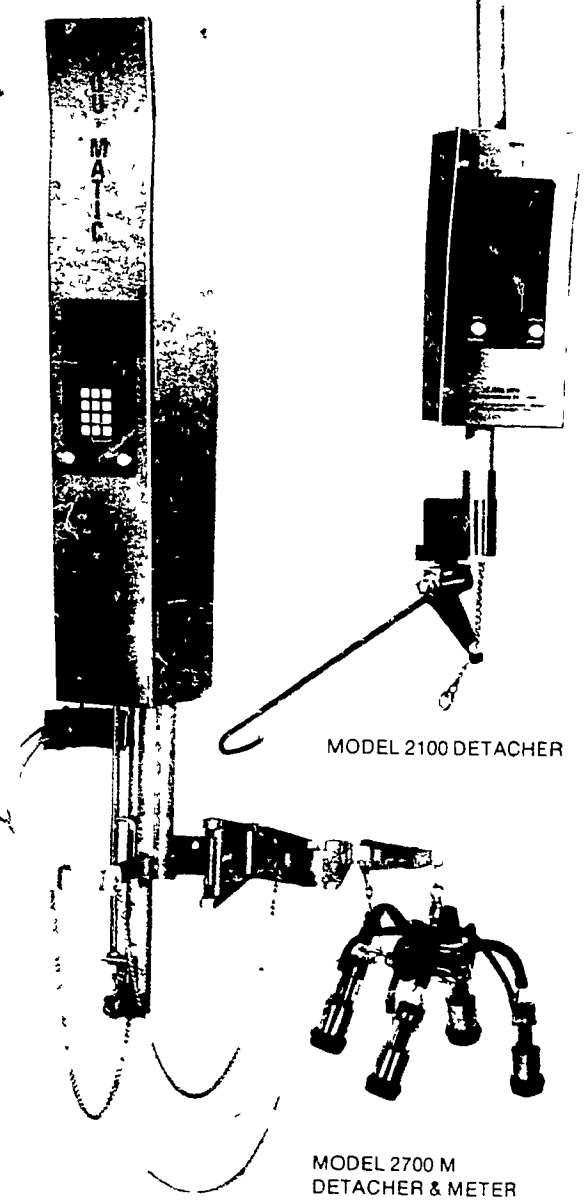


AGRI-COMP 2020 COMPUTER



The Bou-Matic System 2000 offers you a choice of three stages of dairy automation automatic detachers, with Models available for either parlor or flatbarn installations, the Model 'M' milk meter, a revolutionary metering device that monitors milk flow and provides individual production data, and the Agricomp 2020 computer, an on-farm management and record tool that offers a simple and efficient means of collecting and displaying dairy herd information



MODEL 2100 DETACHER

MODEL 2700 M DETACHER & METER

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Milk milestones made dairy industry possible

ROSEMONT, IL. -- Today's highly sophisticated and efficient U.S. dairy industry did not come about by accident. It's the result of many dairying "firsts," or milestones, for example, Leeuwenhoek's discovery of spermatozoa in 1679 and Mendel's postulation of the laws of heredity almost 200 years later, which made possible the breeding of high-producing cows through artificial insemination.

Here are some other major milk milestones that have affected dairying in America:

1495 Christopher Columbus brings cows with him when he lands in the West Indies on his second voyage to the Western World.

1611 Cows arrive at first permanent English settlement in Jamestown, Virginia.

1831 U.S. cheese factory established in Wisconsin.

1848 R.S. patent granted on an ice cream freezer.

1851 U.S. ice cream industry begins when a Baltimore milk dealer becomes first manufacturer of ice cream on a large scale.

1856 Gail Borden receives first patent on condensed milk from both U.S. and England.

1857 Pasteur announces discovery that heating postpones milk souring.

1857 Refrigerated freight cars using ice developed. This made possible broader distribution of dairy products.

1857 Successful condensery built by Gail Borden at Burrville, Connecticut

1871 U.S. butter factory started

1871 Major board of trade for dairy industry established in Little Falls, New York.

1874 Ice cream soda created by Robert M. Green for the semicentennial celebration of the Franklin Institute in Philadelphia

1878 Continuous centrifugal cream separator invented by Dr Gustav De Laval

1884 Milk bottle invented by Dr Harvey D Thatcher, Potsdam, New York

1885 World's first evaporated milk factory began operating in Highland, Illinois

1886 Automatic bottle filler and capper invented

1890 Ice cream sundae invented

1890 Test for fat content of milk and cream perfected by Dr. S.M. Babcock.

1891 First dairy school in America established at University of Wisconsin.

1892 First pasteurizer installed in a U.S. milk plant.

1895 Dairy Division created within Agricultural Department's Bureau of Animal Industry.

1904 World's first ice cream cone introduced at St Louis World's Fair, Louisiana Purchase Exposition.

1908 Compulsory pasteurization law passed in Chicago.

1912 U.S. Government establishes milk grades.

1914 Tank trucks used for transporting milk.

1915 National Dairy Council founded.

1925 Stop-and-go horse driven milk wagons replaced by first step-and-drive milk trucks.

1932 Borden Company makes milk with vitamin D commercially available to consumers.

1933 Fluid milk included in army rations.

1934 Michigan dairy has first commercial success with homogenized milk.

1937 Birth of June Dairy Month.

1938 Farm bulk tanks for milk begin to replace milk cans.

1940 American Dairy Association formed.

1946 Vacuum pasteurization method perfected.

1948 Ultra-high temperature pasteurization introduced.

1948 Plastic coated paper milk cartons introduced commercially

1950 Milk vending machines win place in distribution

1964 Plastic milk container introduced commercially.

1969 Dairy Research Inc. created

1971 United Dairy Industry Association formed.

1974 Nutrition labeling of fluid milk products.

1975 Metric equivalent of U.S. measurement included on containers of selected dairy products

The U S Dairy Industry has come a long way since 1611 Those early Jamestown colonists, if transplanted to modern America, would be amazed at the progress made in 367 short years, including refrigerated milk tankers/trucks, automatic milkers, stainless steel piping/holding tanks and computerized, automated processing plants for our wide range of milk products But it all started with them

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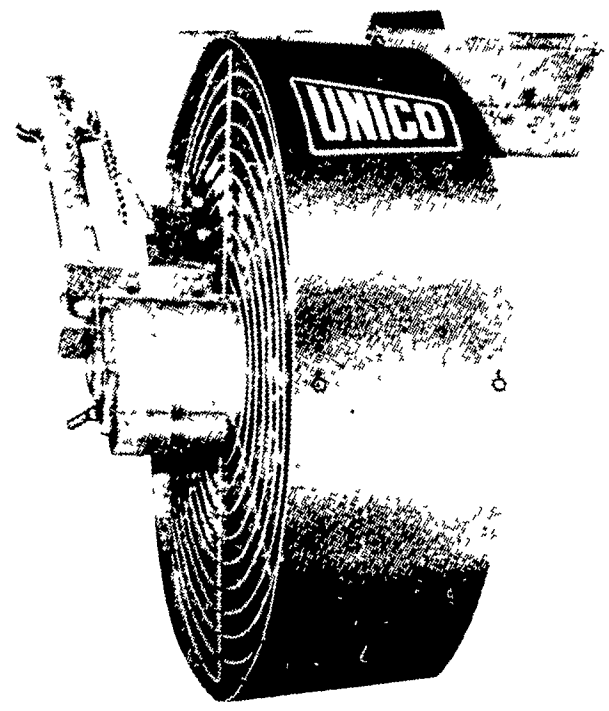

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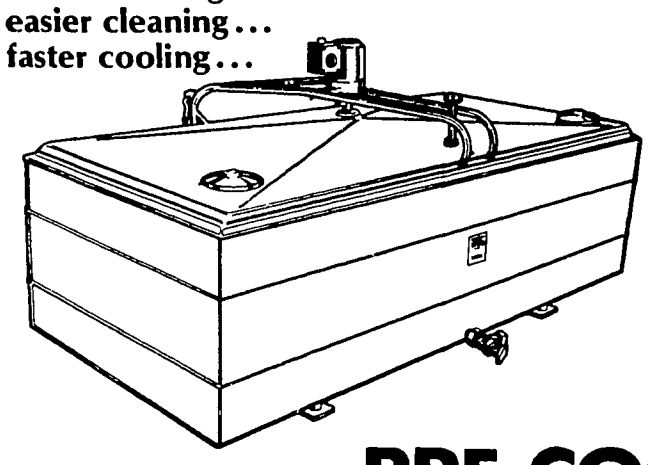
easier cleaning...
faster cooling...



Lower cooling costs.
Recent tests established cooling electrical needs at 0 4 kilowatt hours per 100 lbs

Faster cooling.
Entire tank bottom is refrigerated for maximum cooling effect Surge drum is insulated for extra efficiency

Keeps it cool.
Foamed polyurethane insulation equals 4½" of cork board on sides and bottom

Help when you need it.
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A size to fit you.
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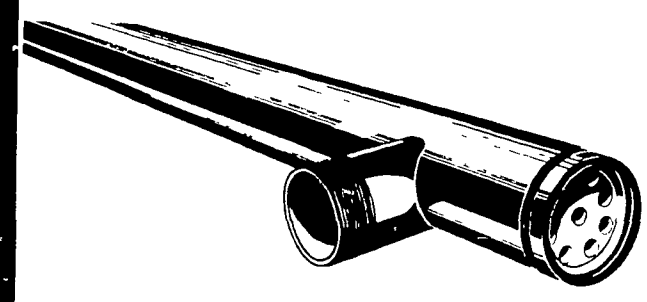

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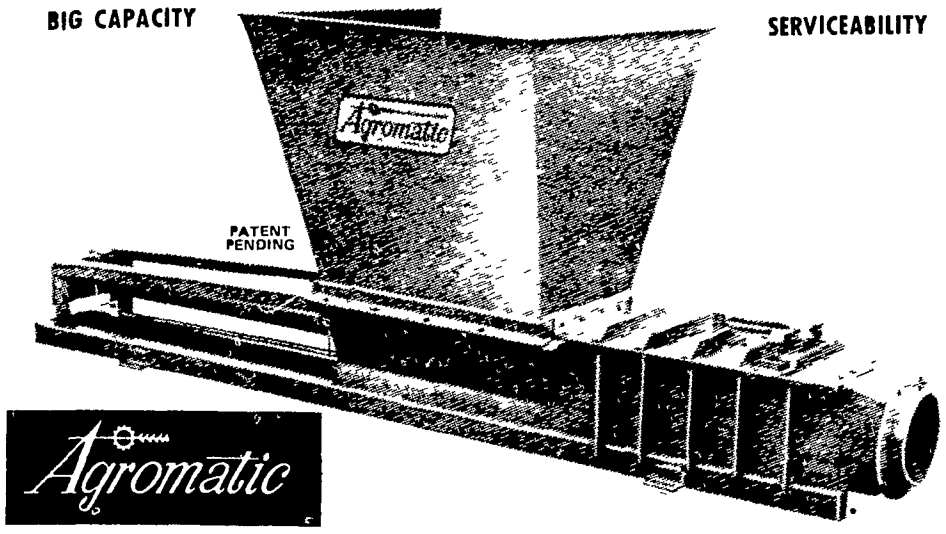
- BARN EQUIPMENT
- WATER BOWLS
- HOOF TRIMMING STALL
- COW MATS

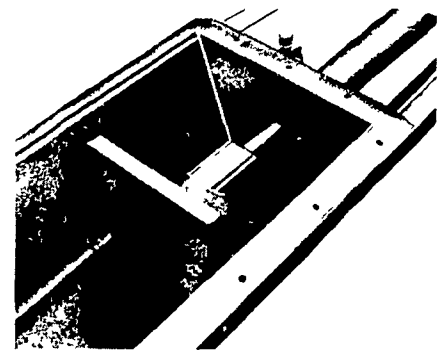
BIG CAPACITY



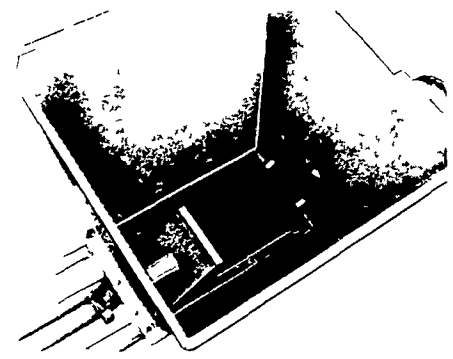
SERVICEABILITY

Agromatic

QUALITY **THE MODERN HYDRAULIC MANURE PUMP** VERSATILITY



HOPPER is 8 gauge steel and 42" square. Optional longer hopper is standard The base of the hopper assures proper plunger alignment as it enters the chamber



The large 12" X 12" plunger is designed to move large amounts of manure at six (6) strokes per minute Angle iron guide assures perfect head alignment

12" SQUARE CHAMBER

- A square chamber allows for best gate design. To open completely, with minimum resistance, a round chamber doesn't allow the gate to open completely.

HEAD SHAPE

- The head shears off long straw or hay in the manure.
- No bushings or oil seals common to round plungers.
- Sloped back lead creates agitation with each stroke, eliminating bridging.

PVC PIPE

- 10" PVC Pipe, not 12"; by going from a 12" square chamber to a 10" round, assures even pressure on manure to eliminate the chances for sediment to accumulate.

SERVICE

- By installing the pump in an accessible pit, all parts are easily inspected. There are no costly seals or bushings to be replaced regularly.

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PUT A RITCHIE FOUNTAIN IN CHARGE OF YOUR HERD'S WATER.

Ritchie fountains keep plenty of water in front of your cows, day in, day out...automatically.

Big-throat, rust-free valves dish it out fast, and Ritchie's reliable heating system keeps water ice-free on the coldest winter days.

With the CD-50 epoxy finish over heavy-gauge galvanized steel, Ritchie premium fountains are standing up to many more years of abuse from livestock and weather.

Why take chances on an old watering system? There's a Ritchie fountain that's right for your operation.

Relax...

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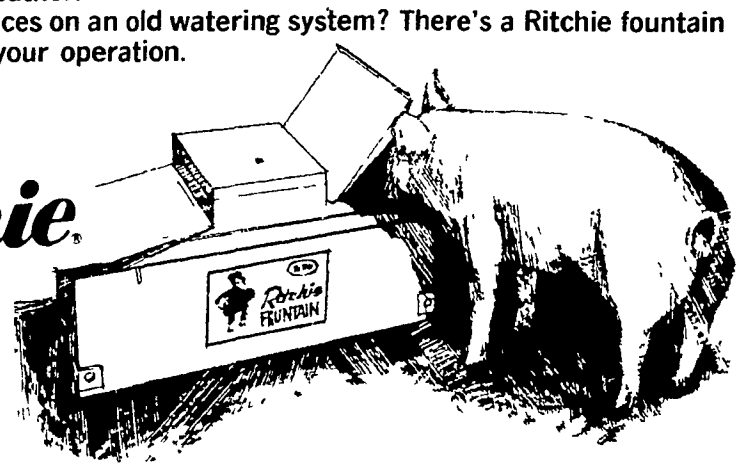
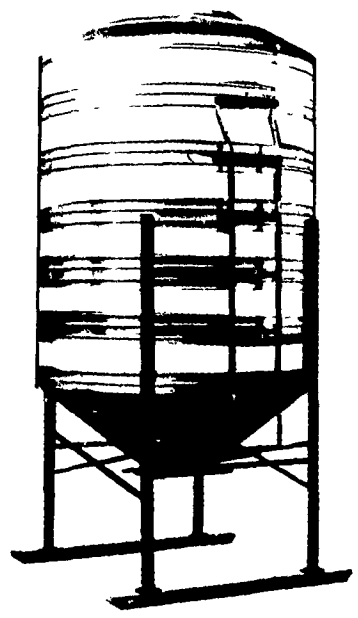
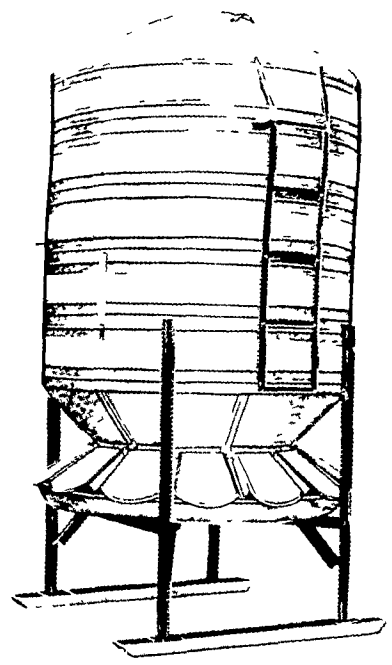
waters 'em right.



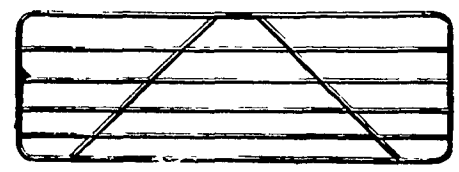
IDEAL® Built Honest.



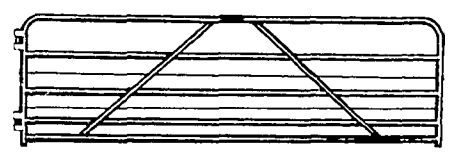
IDEAL STORAGE BIN



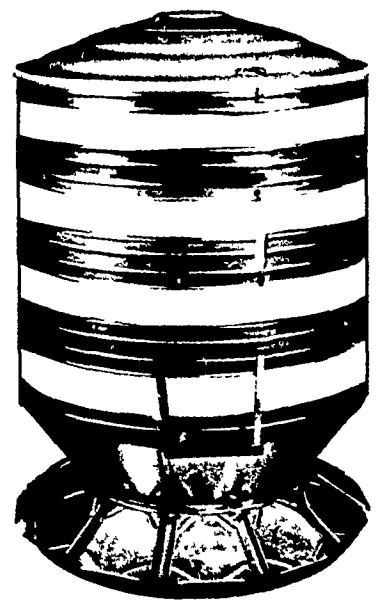
IDEAL CATTLE FEEDER



IDEAL 6-BAR CATTLE GATE



IDEAL 10 FT. HOG GATE



IDEAL ROUND HOG FEEDER

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Barn and Feed Lot Equipment

Fifteen-year-old Jane Stoltzfus poses with her as-yet-unnamed three month old calf.

Leonard Stoltzfus has begun preparing his Holsteins for July's dairy roundup. Here, he brushes Con - Noll Gay Sparkle, a 3-year-old.

Love of dairy farm runs in family

Removing the milker, Joyce Stoltzfus gets ready to go on to the next cow while helping her parents do the evening milking.

By JOANNE SPAHR

GAP – At 5 a.m. most people are peacefully slumbering. But not the Nathan Stoltzfus family. Instead, these five individuals from Con-Noll Farm, near Gap, Lancaster County, are up and out in the barn milking their herd of 60 registered Holsteins.

The Stoltzfus family consists of Mr. and Mrs. Stoltzfus (Nathan and Esther), and their three children Joyce, age 17; Leonard, 16; and Jane, 15. Every family member contributes both in the morning and evening, and even though an outsider might think that the children would get their full of cows by the end of a day, it apparently isn't so As a matter of fact, all three children are active in dairy organizations including the Lancaster County 4-H Holstein Club and the Lancaster County Junior Holstein Club

Joyce has been a member of 4-H nine years; Leonard, seven; and Jane, six. And, while clubwork means a lot of things to all three children, they jointly look forward to the showing aspect of 4-H with equal enthusiasm.

"Showing is really the climax of the year," quietly explains 17-year-old Joyce. Dairy clubwork begins in March for the members with an election of officers. Following that initial meeting, get-togethers are held once a month until July when the roundup and show is held.

"Actually, we only have about five or six meetings," they all explain, saying that these meetings lead up to showing. Some include films on fitting and showmanship, and in June, all members get together at a farm and work on animals, training themselves to get ready for shows.

"At that meeting, the steps begin to become routine after several years," notes Joyce, "so, that's when the older members help the younger ones."

By July each member is eagerly awaiting show time—and not just for the competition or the satisfaction of having his or her animal place high.

"Showing is almost a social event," the Stoltzfus brother and sisters note, "We all go down the night before and sleep over with our animals." And, according to these siblings, each person has to get up during the night and milk his or her cow so that she is bagged properly for the show.

"That way you get to meet the other kids who have to be up milking," says Jane. And, while, for many people, it might sound like torture, the Stoltzfus's say with smiles and laughter that "usually you have to stay up all night long," preparing for a show.

But, it's a good, wholesome family event, and all three say that if it weren't for clubwork they wouldn't know nearly as many people their own age as they do now from all over the county.

As far as winning goes, both Joyce and Leonard had their best year two years ago. At that time Joyce showed the junior champion at the 4-H county roundup and was reserve senior showman. Then, she went on to districts and placed second in her class.

(Turn to Page 39)

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AGRA-LIFE RESULTS FOR 1977 ON TOBACCO

Grower	Raymond Goodwyn Dinwiddie County Dinwiddie, Va.
Variety	Spake G-28 Tobacco
Number of acres	8 acres
Planting time	May 1977
AGRA-LIFE application	One application at planting One application 20 days later plus one application of starter
Rate of plants per acre	24" apart, 4" rows
Herbicide used	Mocap
Pesticide used	Lanimake
Rainfall in 1977	3 to 4 inches, plus irrigation

DATA

AGRA-LIFE yield with starter	2000 lb. per acre
Fertilizer yield (1800 lbs of 4-12-12 plus 400 lbs starter)	2000 lbs per acre
Fertilizer and starter cost	$165.00 per acre
AGRA-LIFE and starter cost	36.00 per acre
Savings by using AGRA-LIFE	$129.00 per acre

COMMENTS

Less pesticides were used this year AGRA-LIFE leaves were larger, some as much as 20% larger. I was very happy with the results

AGRA-LIFE RESULTS ON ALFALFA

Grower	I C Horst Franklin County Pennsylvania
Variety	Saranac
Number of acres	20 acres
AGRA-LIFE application	Sprayed after first cutting
Rate of application	1 gal per 10 acres

The yield was about 18 tons per acre
The AGRA-LIFE field yielded 5 cuttings instead of our-usual 4 cuttings. The AGRA-LIFE field yielded about a third more on the second cutting The usual application of 400 lbs of 0-10-30 was not needed.

AGRA-LIFE
LET NATURE DO IT.

SOIL INOCULANT RESULTS FOR 1977 ON SOYBEANS

Grower	George Ridley Dinwiddie County Dinwiddie, Va.
Variety	Braggs
Number of acres	50 acres
Planting time	June 22, 1977
Soil inoculant application	10 days after planting
Rate of application	1 gal. per 10 acres

DATA

Soil inoculant yield	46 bu. per acre
Control yield	36 bu. per acre
Soil inoculant increase	10 bu. per acre
Soybean market price at harvest $5.50 × 10 bu =	55.00
Less cost of soil inoculant	6.00
Total net return on the soil inoculant	49.00

COMMENTS

Have never had such a good stand of beans. Very little insect infestation was noticed Almost one-third increase in yield Results during very dry conditions

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A good essay created a dairy herd

By JOANNE SPAHR

FREDERICKSBURG – If she hadn't written a good essay on the care and feeding of dairy calves, she'd be raising and showing only hogs right now. Instead, Marilyn Deaven, Fredericksburg R1, owns a herd of nine Jerseys and is an ace showman and fitter in both open and FFA dairy comptitions.

At 15 years of age Marilyn is a source of amazement to her parents.

"I never thought she would take such an interest in cows," her mother, Mrs Marie Deaven, remarks. But, she has, and it all began in 1976 when she entered an FFA chain calf essay contest and won a little Jersey

Up to that point, she'd had no interest whatsoever in dairy and really thought raising hogs was the route she would take.

"I like pigs. I went into FFA with a pig project. They don't take as much work as some other projects," Marilyn points out.

Then, after winning the chain calf contest, her interests started to swing to dairy.

Last year was her first year to show animals, and she admits that, at first, she was "a little scared" But, now, she really looks forward to the experience.

She should. She has an impressive record to follow and possibly top this year.

At last year's Lebanon Area Fair she took first place senior calf and junior champion of the Jersey breed in both the FFA and open competition. She also took the Lebanon County

Calf hutches house the newcomers to the Deaven children's herd.

Marilyn Deaven poses with her pride and joy--the chain calf she won through an essay contest and the Jersey which took grand championship honors at the district FFA show.

FFA fitting award for her efforts.

Then, when she headed to district competition, she outdid her county winnings by taking first senior calf, junior champion, and grand champion Jersey.

"That was all with one animal – the one that was my chain calf," Marilyn points out proudly.

After districts there was the All American show where she placed 18th, and the Junior Dairy show where her animal stood sixth.

So, it was really a good first year for Marilyn, which she attributes to "looking, watching, and keeping my mouth shut," as she puts it humorously.

She does say, seriously, that anyone interested in showing can pick up a lot of pointers by keeping close observation on the happenings in the show.

But, amazingly, Marilyn can't give any pointers on how to earn the fitting award, because she doesn't know, herself, how she did it.

"I don't know what I did," she says flatly. "But, I think I washed her about every day." Her mother will back up that statement. "I bought more Wisk for that one animal..." Mrs. Deaven begins with a chuckle.

For this August's competition Marilyn has added more fuel for the fire – she now has nine animals to her name.

"It's just as cheap to go to a show with more than one animal as it is with one," she states. Her dad also points out that the winnings can be higher in group classes.

This year Marilyn's oldest animal in her show string is a senior yearling and her youngest is a junior calf. She began working on them for Fair season about two months ago. She just finished trimming their hooves for the first time and she is halter breaking her young stock.

To earn the money to buy the animals, she sold 165 quarts of sugar peas. And, as an even exchange, Marilyn milks the cows for her father in the evenings, and for this, he feeds her calves.

Her father, Mark Deaven, amazingly enough, is not a Jersey breeder. Instead, he prefers Holsteins, and has a herd of about 120 head, 60 of which are milking. Although Mr. and Mrs. Deaven do the milking in the mornings, Marilyn gets out there and does most of the work for the night milking.

"We have a double four milking parlor," states Marilyn

"She's real good," says her mother "She comes home, eats her snack, and goes out to feed the animals and do the work." Marilyn says she usually gets into the house by 8 p.m.

For Marilyn this schedule is no chore, "I like to milk cows a lot," she says. "I'm an outside person." There is only one bad point to the whole job of taking care of

(Turn to Page 37)

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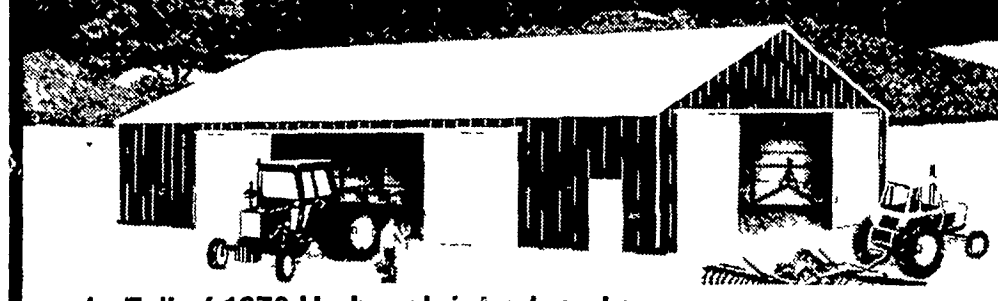

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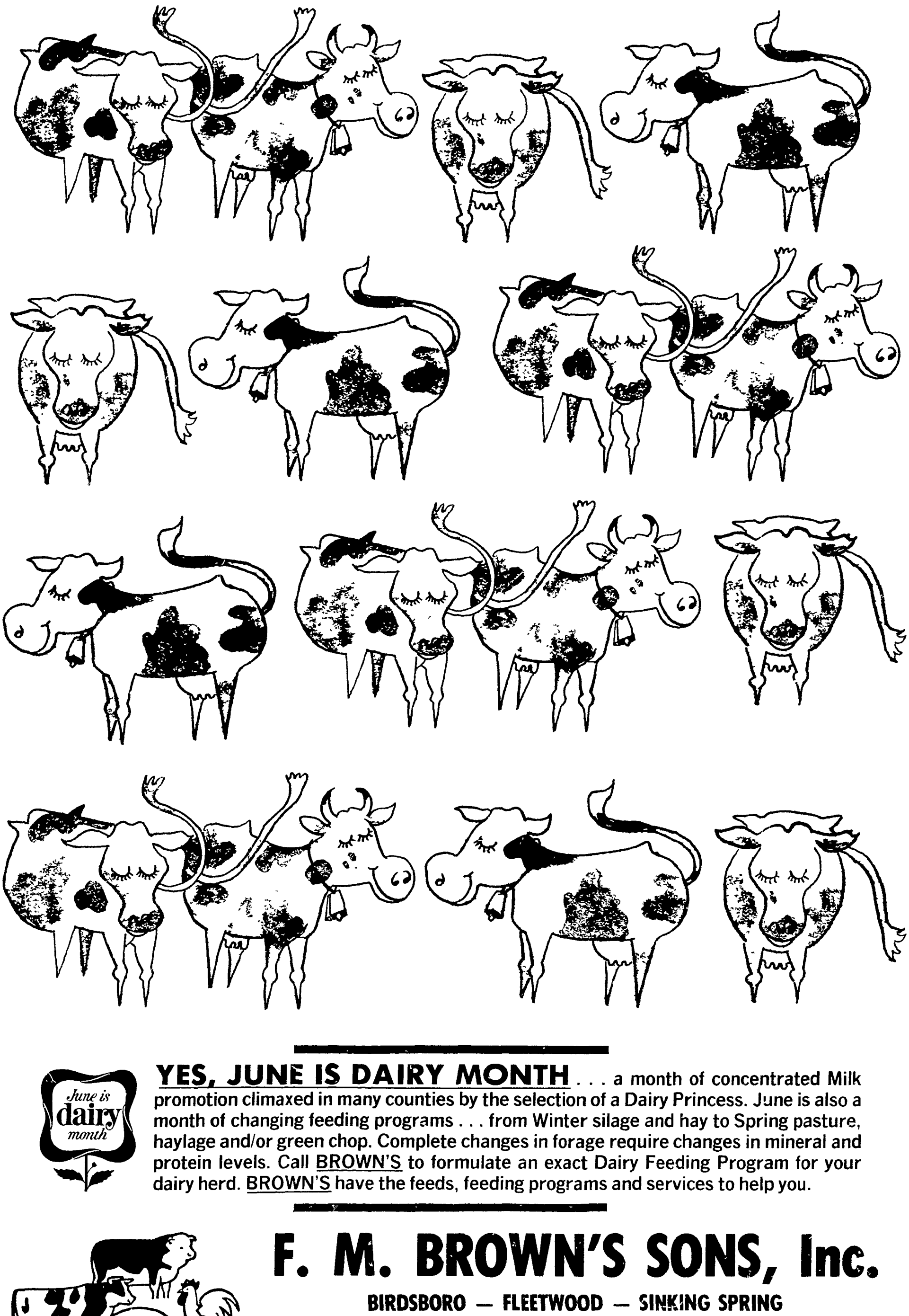

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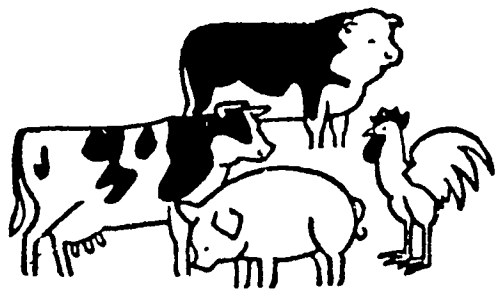

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Kindergarteners in Mrs. Shirley Bell's class are, front row, left to right: Dana Lausch, Donald Longenecker, Christopher Woyurka, Mike Deibert, Anita Krivenko, and Beth Moran, Second row: Jason Buonomo, Chris Shenk, Nate Althouse, Jeffrey Zerbe, Melissa McGinnis, Paul Seeley, and Staci Shenenberger. Back row: Michael Stanley, Jenny Bair, Kurt Woller, Daryl Nelson, Melodie Stine, Tracey Steiner, Michael Rihn, and Matt Parido.

All smiles about prospects of having their picture appear in the newspaper is how Mrs. Doris Stryker's Kindergarten class appeared. Sitting in the front row are, left to right: Greg Shaffer, Rod Welch, Jason Krushinski, Brenda Seiple, Jason Garman, Jenny Smith, Shawn Roth, and Brian Whalen. Behind them are, left to right: Scott Martin, Nelson Mumma, Terry Walls, Todd Steffy, Michele Roberts, David Mowrer, Megan Wade, Dianna Willis, Jason Douple, Richard Zimmerman and Chris Pohner.

Cows and milk were happily discussed by Kindergarteners in Mrs. Cathy Dietrich's class. Sitting are, left to right: Scott Musser, Jeff Sturgis, Mike Owens, Justen Byler, Noreen Pontz, Beth Schultz, Jennifer Rhoads, Shanna Grebill, and Jenny Spangler. Standing are: Christopher Swope, Sean Peters, Doug Reynolds, Neal Baes, Mike Zepp, Shma Virmani, Michael Smith, Greta Wilson, Joy Yerger, and Dayna Horn.

'Daddy cows' give more

(Continued from Page 1)

share their limited knowledge, the delightful youngers offer Lancaster Farming's readers the following observations of the dairy industry:

"A cow is an animal, and when you kill a cow you get meat," 6-year old Nate Althouse began.

Asked how cows make milk, the grinning youngsters explained matter-of-factly: "When they're calves they drink milk, and when they're cows they give it." Noting that he has seen cows being milked and milk being processed on television's **Sesame Street** children's program, Nate took obvious pride in what he knew about cows.

The youngster's face lit up with glowing delight, and a smile spread from ear to ear when he told **Lancaster Farming** that baby calves come in two varieties. "Boy calves are called colts, and girls calves are called fillies," he beamed.

Questioned on why cows have tails, some of the little students came up with some very interesting and amusing answers. According to Jenny Lynn Bair, cows have tails "because they have to wag it." Anita Krivenko, however, claims that the tail is where the cow keeps her milk. Matt Parido says the tail "is to swat flies with when they're on the cow's back."

Dairymen may want to consider a suggestion from Jennifer Rhoads and Staci Shenenberger who say cows can make chocolate milk if they eat chocolate first. Staci Shenenberger further observed that chocolate cows make chocolate milk. But Chris Woyurka wouldn't hear of it, insisting that cows don't put chocolate into milk – people do!" Gregory Shaffer and Beth Schultz agreed.

Paul Seeley, one of the shyer 6-year olds in Mrs. Bell's class, confessed that he likes cows because they bring milk. With a sunshiny, round, face, a few freckles, and hair almost as white as snow, he looks like a good milk drinker.

There was some disagreement in the group as to how farmers get the milk from their cows. Most believed that the farmer simply squeezed it out of the cow with his hands. Beth Moran, who observed first of all that mommy cows have babies, and daddy cows don't, but that both give milk, said that "milk comes out at the bottom" (of both).

Megan Wade speculates that when the farmer milks his cows by hand, he must certainly wear gloves so that all the germs don't get on his hands When Jason Garman heard all the talk about milking cows by hand, he wholeheartedly disagreed "Nope," he interrupted at one point, shaking his head, "when a farmer milks a cow, he uses a machine." Asked to explain, he said· "There are four things, and the farmer puts them on the cow and then the milk goes into the machine. And machines also put the milk in bottles and bags. I saw it at fairs and on a farm. And I also saw a baby calf being born there," he added enthusiastically. Asked if he visits a farm once in a while, he said "sometimes." The most disappointing news from him is that cows give white milk only.

How do cows make milk?

That was a tough question to ask About the most anyone had to say on that subject is that cows eat grass to make milk. "When cows drink and eat grass the milk comes out," Shanna Grebill, 5, began. "Then the farmer comes and squeezes the milk out into a barrel and puts it into a store." Joy Yerger, another one of the few 5-year olds in the group, agrees with all of that except the last item. The farmer does not bring the milk to the store. Instead, he gives it to his calves. Jason Krushinski, whose grandfather has cows, says cows eat grass and then the grass turns into milk.

Tracey Steiner knows that milk comes from cows, but won't take a guess as to how they make it. Classmate Jason Buonomo is braver, speculating that cows make milk in their brain. The young boy also says that cows "moo" because they're hungry and that they give milk free.

Neal Baes says: "One time I went to a farm and milked a cow. I just squeezed the thing and the milk comes out in a bucket." Gregory Shaffer understands that, saying "you make the milk come out by squeezing down under the stomach." Mike Zepp says: "When the mothers let the milk come out, the calves drink it."

Donald Longenecker, 6, is very sold on cows and milk. Here's what he said: "The milk comes out if you squeeze it, but you have to have a bucket. And cows have good meat too, and we use their fur for carpet. We always get milk from a dairy near our house. The farmer gets the milk by squeezing the cups that are under there. He sits on a stool and all the milk comes out. One time I went to my grandfather's farm and he has steers – I mean cows – and one time I held the cow so she's still and can be milked easier. One more thing, milk makes your body strong, you have strong bones, and it's good for you."

The enthusiastic and friendly youngsters came up with all kinds of answers when they were asked how much a cow weighed. Jason Krushinski said "four pounds" Daryl Nelson and Missi McGinnis figured a cow weighed about 100 pounds. Chris Shenk distinguished between cows weighing 50 pounds and bulls weighing more (about 60 pounds) because "they're

(Turn to Page 37)

'Daddy cows give more'

(Continued from Page 36)

bigger." Jason Douple guesses a cow weighs 50 pounds.

Michael Stanley and Melodie Stine sat right next to each other and debated for a little while on how much a cow weighs. Michael, who says cows have horns so that they can be wild, estimates that cows weigh about 10 pounds. Melodie, who claims she has never seen a cow except on television, counters that estimate with an emphatic "I think a cow weighs a million pounds." She adds, too, that she likes cows because they give milk

Jeff Zerbe could hardly contain his enthusiasm when he found out he gave a correct answer. He had said a farmer milks cows twice a day, and when he was questioned further on how he knew that, he proudly announced that he guessed it. Nelson Mumma was just as lucky with his answer and even more happy with himself when he learned his "cows make milk from water" answer was correct.

"That's just a lucky guess" he smiled afterwards.

Megan Wade had an answer for a lot of questions, explaining that she sees cows every time she goes to the farm. She says cows say "moo" because it's a part of telling the farmer that they're happy. The cute little brunette came up with a bit more knowledge a little later when she informed everyone that cows had four stomachs. "Cows keep gulping hay and it goes through their four stomachs to make milk," she commented

How much milk do cows give in a day? According to Megan, a cow will milk about a gallon per day. Mike Deibert doesn't think so. He figures a cow will give three gallons of milk per day. The next question was how much is three gallons. According to Mike, it's about what it takes to fill a bathtub. Shawn Roth is more generous with his estimate of daily production, 1000 gallons. That, in case you're wondering, would be enough to fill Shawn's classroom.

That's what Shawn believes, at least.

Mick Owens was asked how cows get their grass in the wintertime. "I think they dig for it," he answered. Justen Byler, however, says that farmers keep the grass inside the barn during the Winter so that cows can eat it there.

Michael Smith knows that cows aren't the only animals that give milk. When a mother horse gets a baby, she'll give milk, he said.

Mike Deibert said a baby cow is called a calf, a boy calf is a bull, and a girl calf turns into a mother and gets babies. "A long time ago at the fair I saw a newborn calf. Cows have horns to protect their babies," he commented.

Gregory Shaffer and Rod Welsh showed their educational progress by volunteering that a daddy cow is a male and a mommy cow is a female. Dianna Willis said simply that she had never seen a cow.

The question on how much a cow weighs caught attention again after the children were finished with their interviews. One of the teachers, who had listened to the Kindergarteners' answers, informed her young students that a cow couldn't just weight 10, 50, or 100 pounds. "Why I weigh more than 100 pounds," she told the lively and bright-eyed children. Flabbergasted, one of the youngsters dropped his jaw and exclaimed: "You mean you weigh more than a cow?"

Well, if this story proves nothing else, it certainly illustrates that children are delightful. They're our best crop. They provide us with purpose, laughter, and sheer delight for life itself.

People problem

Experts say it's mathematical certainty that continuing increases in world population cannot go on forever. They say that unless humans do something about population growth, the laws of nature will.

As of now, 172 people are added to the world population every minute. This is more than 10,000 people an hour and nearly a quarter of a million per day.

A good essay

(Continued from Page 34)

the cows, she says - getting kicked.

Marilyn has two brothers and a sister. Her brother Mark, age 13, who will enter FFA next year, has four Jerseys, and her younger brother Marlin, age 11, has three dairy animals of the same breed which he has as a 4-H project.

In the Northern Lebanon Chapter of the Future Farmers of America, Marilyn holds down the position of assistant secretary, her first office. She's also active in committee work, being a member of the refreshment, supervised farming, and milk testing committees. Her mother even gets into the swing of FFA, serving as chaperone for the female members on the annual trip to Penn State in June. This is her second year to make the trip.

Marilyn will be one of the two girls Mrs Deaven will be chaperoning this year since the 15-year-old will be taking part in the dairy judging team from Norlebco.

The Deavens are also involved in 4-H with Marilyn a member of the Norlebco 4-H dairy club for the first year, and a member of the Lebanon County 4-H livestock club for three years. Her father is also a leader of the livestock club.

As of the present, Marilyn has no set plans for the future. But, as her family says, she does have time to decide, since she is only a sophomore in high school But, this young dairy FFA member does have the intention of possibly staying on her home farm and dairying.

"I haven't really set a goal yet," she says, "But, I am going to keep building my herd.

That's a pretty substantial goal for a young lady who wasn't even interested in dairy animals only a few years ago.

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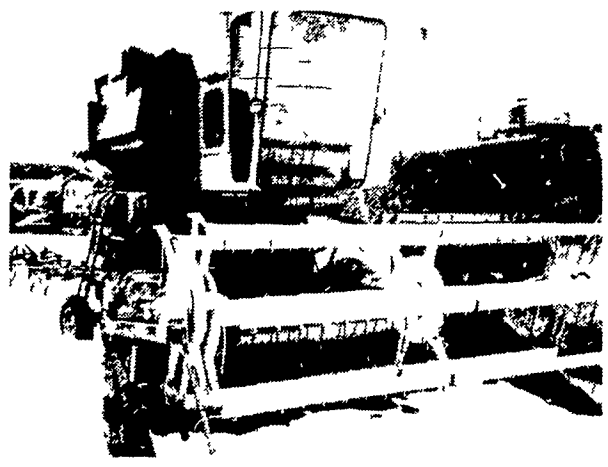

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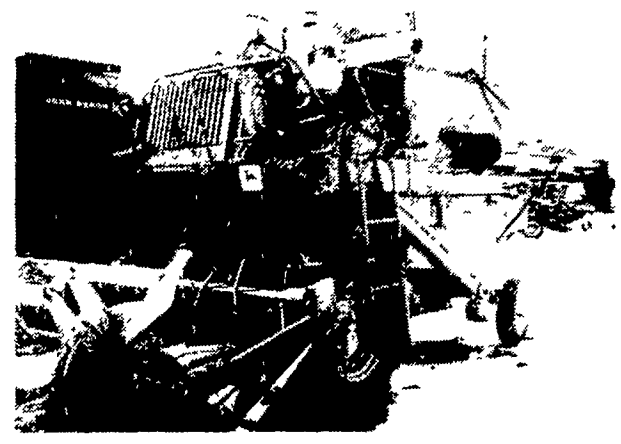

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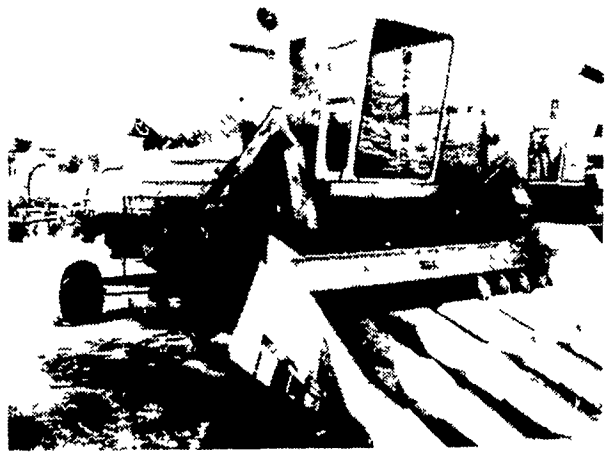

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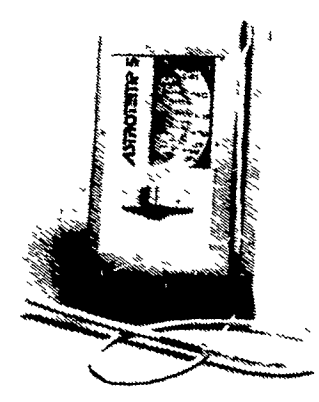

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Strong milk sales

(Continued from Page 20)

ficulties of handling surplus milk this year are slim compared to those of a year ago. (See article in Lancaster Farming, May 20, page 1).

Assessing the Keystone State's milk production patterns, the Pennsylvania Crop Reporting Service's Dairy Report came to the following conclusions last month:

"Milk production in Pennsylvania during the first quarter of 1978 totaled 1,888 million pounds. This is two per cent more than the corresponding period a year ago and six per cent more than in 1976. Average production per cow was 897 pounds, up nearly three per cent from the same period a year ago. The number of milk cows averaged 702,000 head, down 2,000 from a year ago.

"Wholesale milk prices reported by dairymen for the first three months of 1978 averaged 4 per cent higher than 1977. The March 1978 average blend price of $10.33 per cwt. as reported by commercial dairymen is down 7 cents from the previous month but 52 cents above March 1977.

"Production costs for Pennsylvania dairymen for the year ended March 31, 1978 averaged $10.03 per 100 pounds of milk. This is 23 cents more than December 31, 1977 and 69 cents more than March 1977. Production items contributing most to the increase are: machinery, labor, farm real estate values, taxes, and hay prices. In addition, the index of prices paid for building and fencing material increased about 8 per cent from March 1977."

Expenses deductable on tax return

LANCASTER – Now that the tax return is filed and one can recognize the areas he failed to have adequate information, he should pause for 30 minutes and set up his accounts to accurately reflect deductable expenses.

These include: health costs, including prescriptions, drugs, doctor's bills, health insurance, and health care items; taxes – such as real estate, wage, and school; and interest – mortgage, credit card interest, auto, and consumer credit loans, are among those to keep.

There is also contributions -- church, tax exempt organizations and one should make sure he keeps the receipts; non-cash contribution of goods and services, with a detail record kept of items given with the fair market value and cost basis; and milage traveled for charitable organizations such as the scouts, 4-H, medical, church and other voluntary organizations. One should remember the rate is seven cents per mile.

There is no substitute for records and the deduction could be disallowed without them.

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The undersigned personal representatives will sell the personal property of the late Cora Lee Spraker on the premises known as 2901 Pulaski Hwy. (U.S. 40), Edgewood, Harford County, Maryland (approx. 2 miles east of Edgewood) ON

SATURDAY, JUNE 10, 1978

AT 9:30 A.M.

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Lady's platinum ring set w/one (1) diamond weighing approx. 2.25 cts. two (2) diamonds approx. .85 ct. each and forty-eight (48) small diamonds; man's yellow gold ring set in prong style setting w/one (1) diamond weighing approx. 2.25 cts.; platinum pocket watch, Patek Phillipe movement; Elgin gold pocket watch; Lady's 14 Kt. yellow gold ring set w/center genuine zircon surrounded by twelve (12) small diamonds; 10 Kt. yellow gold shell cameo pin-engraved border of setting; Man's 14 Kt. gold Omega wrist watch; Man's 14 Kt. yellow gold Waltham wrist watch; Lady's white gold filigree ring w/one (1) diamond; Lady's 14 Kt. yellow gold wrist watch and band w/four (4) small diamonds; Yellow gold filigree circle pin set w/four (4) sapphires; West Point pin and guard; Strand light amber graudated oval beads; Strand oval faceted amber necklace; Rhodonite and quartz cross and necklace; Lot of six 14 Kt. gold buttons and four 14 Kt. gold studs w/Mother of Pearl tops; Sterling silver leaf and flower heavy bracelet-necklace-earrings and pin; 12 Sterling pieces; dark mink cape; light mink short stole; large amount of costume jewelry-some gold and silver.

STERLING SILVER-SILVER PLATE & LINENS

5 pc. S.S. coffee set w/silver plated tray; 2 silver canister holders w/cut glass cruets; S.S. Stieff silver-2 sugar spoons-carving knife and fork-cake knife-serving spoon; 6 S.S. candle holders; canister set S.S. w/S & P cruet-toast holder; large S.S. S & P; 67 pc. set Rogers Bro. silver plated flatware; 5 pcs. Mexican silver; Reed & Barton Paul Revere bowl; 2 sugar trays; napkin rings; gravy boat; div. dish; assorted small platters; 12 grapefruit spoons; Colonial teaspoon S.S.; fork and serving spoon-silver; Rogers teaspoon; Rogers sugar shell; Reed & Barton sugar holder; 6 souvenir spoons-Rogers; I.S. Rogers 26 pc. set; candle snuffer; 6 salt spoons; 14 Souvenir spoons and forks; 74 pcs. of assorted silver plate; silver bell; 8 S.S. salt and peppers-small; two 8" S.S. platters; 5 complete sets table linens and napkins; assorted table cloths; 15 assorted sheet and pillowcase sets; 20 towel and washcloth sets-some new; 18 assorted blankets; 12 assorted bedspreads; 2 lace tablecloths; many other items.

GLASSWARE AND CHINA

A Hummel figure-boy w/violin; 20" American art glass blown vase; cut glass vase and pitcher; hand painted pitcher-blown glass; cut glass diamond pattern wine cruet; cut glass candle holders; 5 cut glass liqueur mugs; cut glass vase; 12 long stem crystal stines; 12 long stem crystal water; 9 long stem crystal water; 40 other pieces crystal; 12 Johnson Bro. England Dresden flowered plates; 2 German plates; 3 Wedgewood plates; 6 Steubenville plates; 12 cup and saucer sets; Flo Blue & Luster platter; 12 pcs. Nipon; place setting for 8 of Noritake china; 2 Satsumi vases; china doll figures; 12 china figures; 15 pcs. of assorted pressed glass; cut glass decanter; 2 Bisque figures; Flo Blue vegetable dish; pressed spooner; blown glass bell; ruby hat; ruby vase; wine set; hobnail milk glass and ruby flo; German vase; blown ruby dish; 4 v.g. paper weights; 2 daisy and button hats; depression glass; many other items.

APPLIANCES

Frigidaire Deluxe 4 burner elect. stove self cleaning oven new 1975; 6,000 B.T.U. air conditioner; AM/FM Zenith radio; Westinghouse elect. sewing machine; Speed Queen washer; elect. ironer; Kelvinator refrig. with separate freezer; 3 fans; elect. host tray; elect. coffee pot; toaster; mixer; chest type freezer; elect. knife; vacuum cleaner; Christmas decorations; flatware and knives; pots and pans; roaster; heat lamp.

CAR AND TOOLS

1973 Buick Model 225 Electra 4 door all power V8 w/36,000 miles; 8 H.P. Wizard riding lawn mower; 3.5 H.P. self-propelled mower; 22" rotary mower; rubber tired wheelbarrow; 2 ladders; gun case and covers; work bench and vise; axes; shovels; saws; rakes; forks; hoes; tool chest with assorted wrenches; carpenter tools; floor jack; 100' of ½"; 100' of ¾" rope with blocks and pulleys; 100' of ¼" rope with blocks and pulleys; 2 stepladders; fertilizer spreader; many other small items.

LAMPS-PICTURES & RUGS

Milk glass base elect. oil lamp; brass Rayo w/ruby quilted shade; pair marble and brass lamps; marble base lamp with painted ruby center; 2 elect. oil lamps; brass table lamp w/glass prisms; 3-way floor lamp; student's oil lamp; 8 other table lamps; 2 oil lamps; 2 figurine lamps; desk lamp; 9' x 8' Wilton American Oriental rug-very good cond.; 6' x 8' red American Oriental rug; 8 very good hook rugs-one 5' x 8'-2 ovals and 5 square scatter rugs; assorted Wilton scatter rugs; 3 hemp rugs; engraving Helcothrix Purpuresceps (Gould print); Stag Bay print; oval frame mahg. w/print; ornate metal frame; approx. 35 other prints and picture frames; 6 Duck and Game scene prints.

COLLECTIBLES AND MISC. ITEMS

24" church or school bell; mech. metal bank Clown and Dog; small coo-coo clock; powder horn; hunting knife; snowshoes; 5 brass bells; Prestone birds; hand carved miniature swans-3; 2 brass candle holders w/pushouts; 2 pressed birds; cast iron Bulldog; cast iron Scottie dog; cast iron Birddog; 2 more metal dogs; pair brass andirons; brass bell; long dressing mirror; 2 shell vases; many old books; pair cat footed brass candle holders; 10 assorted carved duck plaques and miniatures; 8 metal duck decoy miniatures; metal lady bookends; 7 brass bells; pair brass dog bookends; other small metal miniature items; 30 small assorted figurines; 3 metal brass shell vases; metal and glass desk pen holder, onyx and brass tiger; desk bank; porcelain seagull ashtray; Italian dish; 9 pc. complete fireplace sets, 4 good paper weights; brass dish and bell; cat planter; ash trays; assorted bottles; jars.

AUCTIONEER NOTE: Starting at 9 30 A.M. w/two auctioneers selling (1) Tools, (2) Linens-Silver & Collectibles til 11 00, Glassware-Lamps & Rugs 12:30 noon; Car-Diamond Rings & Appliances followed by Furniture (Bring your folding chair)

LUNCH SERVED

NOT RESPONSIBLE FOR ACCIDENTS DAY OF SALE

ITEMS SOLD AS IS

TERMS: CASH

Personal Representatives:
John E. Kelly, Atty.
Donald V. Marchese

William H. Amoss, Auctioneer
Complete Auction & Appraisal Service
2037 Pleasantville Road, Fallston, MD 21047
Phone: 877-7005 or 838-3000

PUBLIC SALE

FRIDAY, JUNE 23

The undersigned, Executrix of the estate of Arne J. Aaraas, will sell the following real and personal property at the premises situate in Centre Township, Perry County. (Follow Rt. 274 to Mannsville Road at Adams Corner, 1.7 miles West of New Bloomfield, Pa. Stay on Mannsville Road for 1 mile to Church Road. Turn right. Follow sale signs.

REAL ESTATE AT 12:00 Noon

Being the property of Arne J. Aaraas Estate, situate in Centre Township, Perry County, Pa., containing 108 acres, more or less, with good road frontage; ½ being wooded and balance open fields with good stream running through property. Large, 2-story frame dwelling with three rooms on first floor and four bedrooms on second floor. Dug well water supply.

PERSONAL PROPERTY BEGINNING AT 10:00 A.M.

Household goods - marble top bureau and wash stand, Mohawk cook stove, beds, dressers, chairs, tables and stands, dinner bell, coffee grinder, butcher tools, crocks and jugs, mirrors, picture frames, child's desk, lamps, carpenter tools. This is a complete dispersal sale.

Terms of sale announced on day of sale.

ARNE AARAAS ESTATE
Erma Beard, Executrix
Auctioneer: V. Art Kling
(717) - 789-3883

PUBLIC SALE

OF
HOLSTEIN HEIFERS

Located on Big Springs Road, 1½ miles south of Clear Spring, Md. or 12 miles west of Hagerstown, Md. off I-70 at Clear Spring exit - follow signs.

SATURDAY, JUNE 10

11:00 A.M.

190 HEAD OF HOLSTEIN HEIFERS 190

Consisting of 50 open Holstein heifers from 6 mos. to breeding age; balance due to freshen from sale date to fall with many bred for June, July & August. Few mature cows.

All cattle are home raised, all dehorned with extra teats removed, good clean cattle, have been on grass and will do good for the buyer. All bred heifers are bred to Angus bulls; all Bangs and T.B. tested within 30 days of sale. Approx. 70 head are calfhood vac.

JACK R. CORWELL

TERMS: Cash - Not responsible for accidents.
AUCTIONEER: Robert C. Mullendore
CLERK: C.L. Metz

Sale Held Under Roof - Loading Chute
Lunch Available

PUBLIC SALE

OF
ANTIQUES AND HOUSEHOLD GOODS

SATURDAY, JUNE 17

Sale at 12:00 Noon

Located one mile south of Route 340 from Pequea E.C. Church. One and one-half miles south west of White Horse along the School Lane Road.

Harrignton upright piano; two piano stools with claw feet; bow front china closet; dry sink; wood chest; dove-tailed blanket chest; Camel back trunk; other trunks; round dining room table with four chairs; cane seated and solid bottom chairs and rockers; wash stands; bureaus; roll top bed; Victrola with records; couch.

Zenith T.V.; Norge refrigerator; Dexter wash machine; twin tubs; Simmons Hide-a-bed; iron bed with spring and mattress; single bed complete; occassional chairs and rockers; library table; pots and pans; utility cabinet; hand tools; jars; old quilt.

Glassware; chinaware; some depression glass; wall hanging; coal-oil lamp and other lamps; old radios; alarm clocks; mirrors; pictures and frames; crocks; small iron and brass kettles; books; silverware; watches; old coins; zither; banjo; crocks; spike harrow, etc.

Terms by
JOHN BYERS
Power-of-attorney
for Mary Whitman

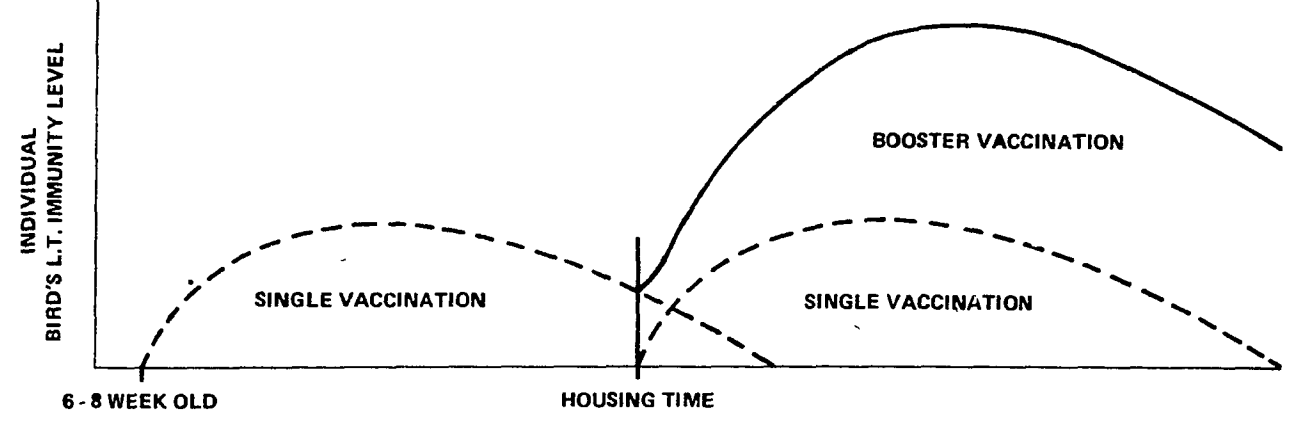
Abe Diffenbach and Sons, Auctioneers
Lunch benefit of Keystone Parochial School

Laryngotracheitis (LT) immunization survey shows value of booster vaccinations

Number NOT Protected in a 20,000 Bird Flock
Estimating 93% Responses at Each LT Vaccination.

SINGLE VACCINATION (No Booster) - 1,400 Birds Susceptible
(7% susceptible, 93% protected).

BOOSTER VACCINATION — 98 Birds Susceptible
(½% susceptible, 99½% protected).



This graph, prepared by the Bureau of Animal Industry's Division of Avian Health points out the value of booster vaccinations against laryngotracheitis (LT). According to Secretary Shelhamer, a single vaccination at either six to eight weeks or at housing time provides a level of immunity which gradually tapers off. The effect of a booster vaccination at housing time after the initial vaccination significantly increases the immunity level of the individual bird and provides a more lengthy period of coverage. The graph is a summary of studies, compiled by the Division of Avian Health.

In a flock of 20,000 birds, a booster vaccination decreases the chance of LT infection by 14 times the rate of a single vaccination.

Love of dairy farm

(Continued from Page 32)

That same year Leonard was junior champion showman at county roundup and placed first with his senior calf.

The following day at the all county open dairy show, their father Nathan was named the premier breeder, thanks, he says, to the help of Joyce, Leonard, and Jane's 4-H animals.

Although Jane did not place extremely high in 1976, shw was the reserve junior showman in 1974.

To prepare for shows, the Stoltzfus children begin steadily working with their animals from the middle of June until show time in July. After finishing up the barn work each morning, they spend an average of an hour per day brushing and walking their animals. For the older, more experienced cows most of the work is review, so the majority of time is spent with the young stock.

Jane explains that they wash their animals about six weeks before the show, and again, one week prior to show time. And, of course, each animal needs a bath the night before the big day, as well. A few days prior to show time they also clip all the animals and trim hooves.

All this is a time consuming process with Joyce and Leonard each having five animals and Jane, four.

The Stoltzfus children have nearly all home bred animals. To begin their herd, they were each given an animal as a birthday gift when they were nine years old—the same age at which they joined 4-H. All of this animal's offspring then belonged to the children. If she had a heifer, the children raised it, and if she has a bull calf they sold it and used the money to buy another calf.

4-H and showing aren't the only activities in which the Stoltzfus children are involved. On June 17 Joyce will be competing for the title of Lancaster County dairy princess along with nine other hopefuls. She is also the treasurer of the Lancaster County Junior Holstein Club and has served as secretary of her 4-H club. She will also graduate on June 17, the day of the dairy princess pageant, and should she win the tiara she will hold off schooling at Hesston, Kansas until her reign is over. She has plans of going into child care.

Leonard has been involved in 4-H dairy judging for the past three or four years, placing third last year in his division.

Jane is active in dairy bowl, having been on the junior team for two years. She is also a member of the Junior Holstein Club.

Although Jane does not state her plans for the future, at this point, Leonard says he will probably stay in dairying for the future.

GARRETT - WILLIAMSON FOUNDATION

PUBLIC AUCTION

CATTLE—REG. BULL—CALVES
OUTSTANDING LINE OF FARM MACHINERY

SATURDAY JUNE 17, 1978

10:00 A.M.

Take Route 3 to Newtown Square, PA. Turn right at (Videon Chry. Ply. Dealer) or Bishop Hollow Road "Watch for Auction Arrows" Farm is located along Bishop Hollow Road 1¼ miles from Route 3

"CATTLE"

Reg. Angus Bull sired by Devereux Soleil Farm. 15 Hereford and Angus Cows 900-1000. 15 Hereford and Angus Calves 125 & up. Cattle will be sold by the Head and are vaccinated & inoculated.

"FARM MACHINERY"

JD 2630 Diesel Farm tractor w/771 hrs. good rubber (like new); JD 3 bottom 18" plow, JD #146 loader; Ford 3000 gas tractor w/1325 Hrs. good rubber w/roll bar, like new; Ford 7' Flail mower; JD transport roller harrow 12' cultipacker; JD #321 elevator like new; JD #494A 4 row corn planter w/extra hoppers, JD mod. 32B 8 row sprayer tractor type; JD transport 10 KBA disc harrow; JD #31 post hole auger, JD #40 Fail manure spreader, 3 bottom 16" Massey Harris plow; 6' Midwest lift harrow; JD 3 sect. 12' Spring Tooth harrow; Bushhog 5' rotary mower; NH hay baler with kicker Mod. 269; Massey Ferg. scraper blade, JD #660 side hay rake; JD 157A grain drill; JD forage harvester Mod. 12 w/corn and hay head; JD 8 ton hay wagon; Ford 515 Sickle bar; NI 3 Pt. fertilizer spreader (new); 2 row 3 Pt. cultivator, 3 Pt. 8 row Century sprayer; NH mower conditioner #469; Int. Harvester hay wagon, Arkfeld cattle scales; Farnam head gate, livestock supplies; baler twine; fire ext'ers, alum ladders; platform scales; heavy duty cords; 7 New rolls of barbed wire, JD Air pump; rolls of new fence wire; 200 new iron fence post, feed troughs; L.P. 400 gal. tank; 275 & 300 fuel tanks; wheel barrows; snow fence; hand & garden tools; 100' plastic hose; Dodge Pickup bed; yard trailer; gang mowers; battery charger; cylinders; JD grain tester; torch kit complete; Pioneer chain saw; chairs; benches; rockers; gas stoves; tables; bookcases and many other items.

Food will be Served

Sale by
GARRETT-WILLIAMSON FOUNDATION FARMS

Sale Conducted by
J. Omar Landis Auction Ser.
Jay M. Witman 717-733-7917
J. Omar Landis 717-665-5735
Ephrata, Pa.

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All out of State Bidders must have Cash or Cashier Check.

June IS DAIRY MONTH

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June is dairy month

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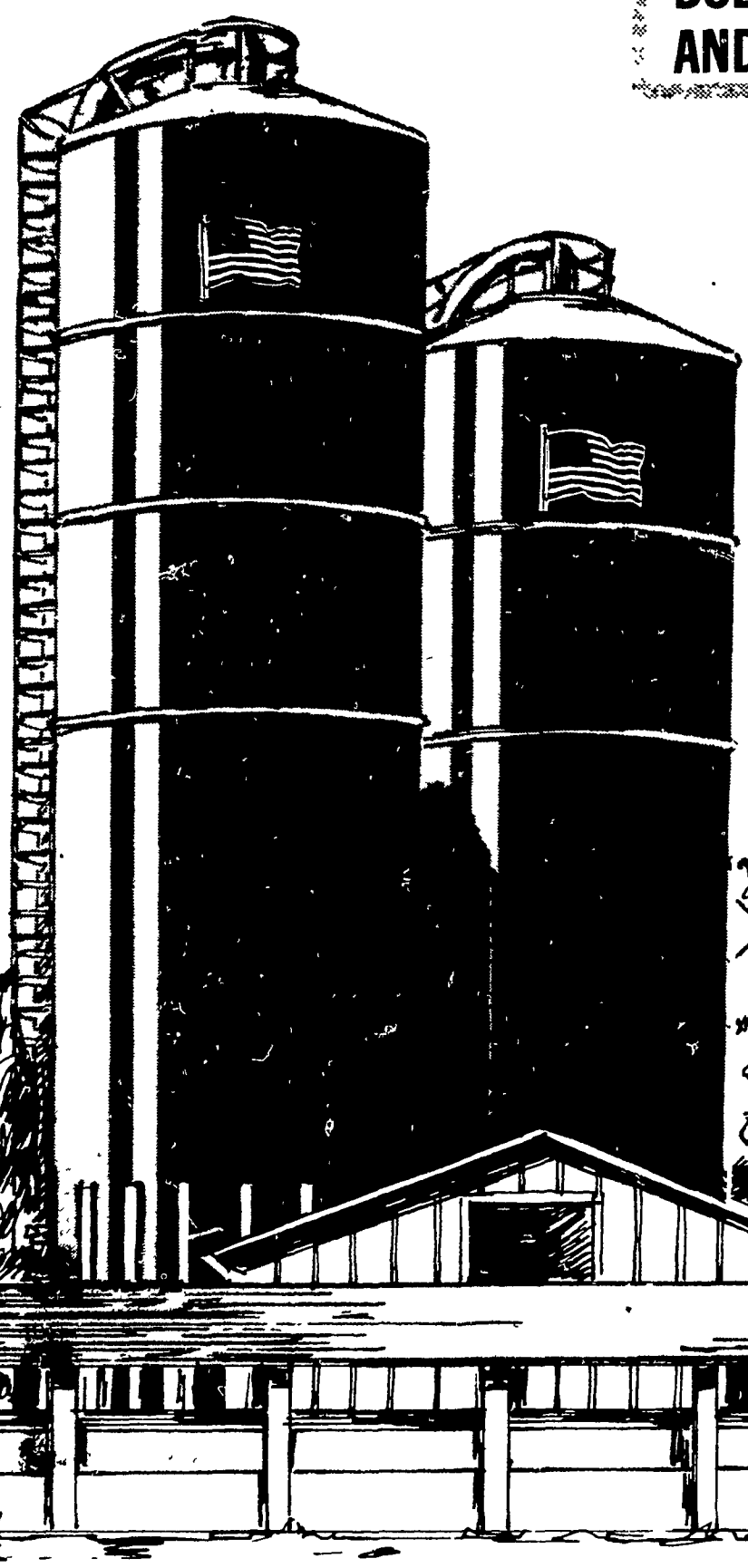

FLY BY JET TO
MICHIGAN DAIRY TOUR
JULY 11, 12, 13, 1978

— TOUR SCHEDULE —

TUESDAY:
8:30 A.M. - Leave Middletown Airport
11:00 A.M. - Tour Greenfield Village & Henry Ford Museum

WEDNESDAY:
Visit 5 Outstanding Dairy Operations
7:00 P.M. - Dinner and Meeting

THURSDAY:
1:00 P.M. - Arrive At Middletown Airport

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AMERICAN FLAG SHEET
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WAYNE FEEDS

Wayne Dairy Feeding Programs are designed to obtain high production. Many dairymen have switched over to a Wayne Dairy Program and found it to be the production profit key they were looking for.

During Dairy Month, visit one of the Wayne Feed dealers listed below. He'll tell you about Wayne's Lifetime Dairy Program, and show you how to get more milk from a cow tomorrow than you got today.

The Calf Program

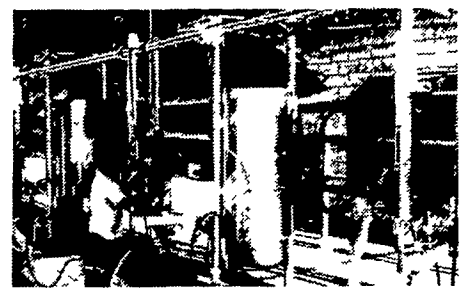
After 4 days colostrum feeding, start Wayne Calfnip through 4 weeks of age. Or, at 4 days of age, sprinkle Calfnip on top of Calf Krunch to start the calf eating earlier. Offer hay, water and salt free choice.

Calf Supplement, a starter and grower mix, can replace Calf Krunch at 6 weeks of age or after feeding 100 lbs. of Calf Krunch. Calf Grower Pellets is an economical feed for use after 100 lbs. of Calf Krunch has been fed.

The Heifer Program

Dry Cow & Heifer Conditioner or Conditioning Mix will get her ready to breed at 14 months, calve by 24 months. Limit to 4 lbs./day.

The Milking Cow Program



Wayne has a complete milking ration for every operation in pellet, krunch or meal form. Test Cows for hay feeding, High Flows for corn silage feeding, and Sweet Feeds for feeding excellent quality corn silage. Or, for grind and mix operations, there are five Dari-Blens to choose from.

The Dry Cow Program

Four lbs./day of Dry Cow & Heifer Conditioner will keep her trim and guard against off-feed and ketosis problems after calving.

WAYNE FEEDS WAYNE ANIMAL HEALTH AIDS

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THE FARM STORE
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VAN - MAR FEEDS, INC.
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R1, Richland, PA 17087 717-933-8168

WAYNE FEEDS OF WHITE HALL
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BRANDT'S MILL
830 Maple Street
Lebanon, PA 17042 717-272-6781

WHITE OAK MILL
R5, Manheim, PA 17545 717-665-2288

Three Lancaster County dairymen tell how they keep somatic cell counts unusually low

By N. ALAN BAIR
Lancaster County
Agent Dairy

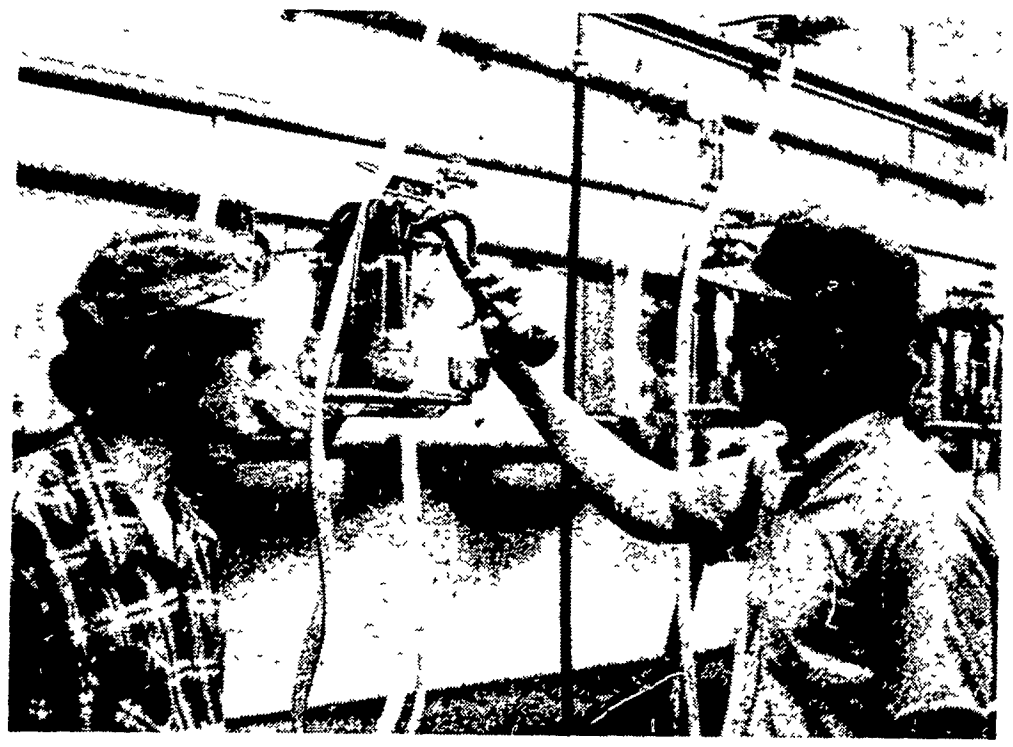
LANCASTER – "We have no secrets and don't do anything you can't read about in magazines," said Don Risser in response to a question about his herd's extremely low somatic cell counts over the past year. It was typical of the replies of three dairymen interviewed to find out how they maintained extremely low somatic cell counts month after month.

Somatic cell counting through the Dairy Herd Improvement Association has been able to Lancaster County dairymen for almost two years on a limited pilot project basis, and since December 1977 on an open basis to all dairymen. Currently over 230 herds are on the program in Lancaster County and more than 1100 in Pennsylvania.

The concept behind counting somatic cells on individual cows is to monitor the udder health of the cow. When the udder of a cow becomes infected, her natural biological defense is to increase the leucocytes, or somatic cells, to combat the infection. By knowing the somatic cell count (SCC) the dairyman can respond to infections before they become clinical and before economic losses through lost milk production become significant.

Last month in Lancaster County, all cows that had cell counts under 250,000 averaged 51.2 pounds of milk per day while cows with cell counts over 1,000,000 cells averaged only 44.5 per day.

Curt Akers has found that high production is closely linked to low leucocyte counts.



Brian and Don Risser feel that close attention to milking routine and machine maintenance are important factors in their success in maintaining low somatic cell counts.

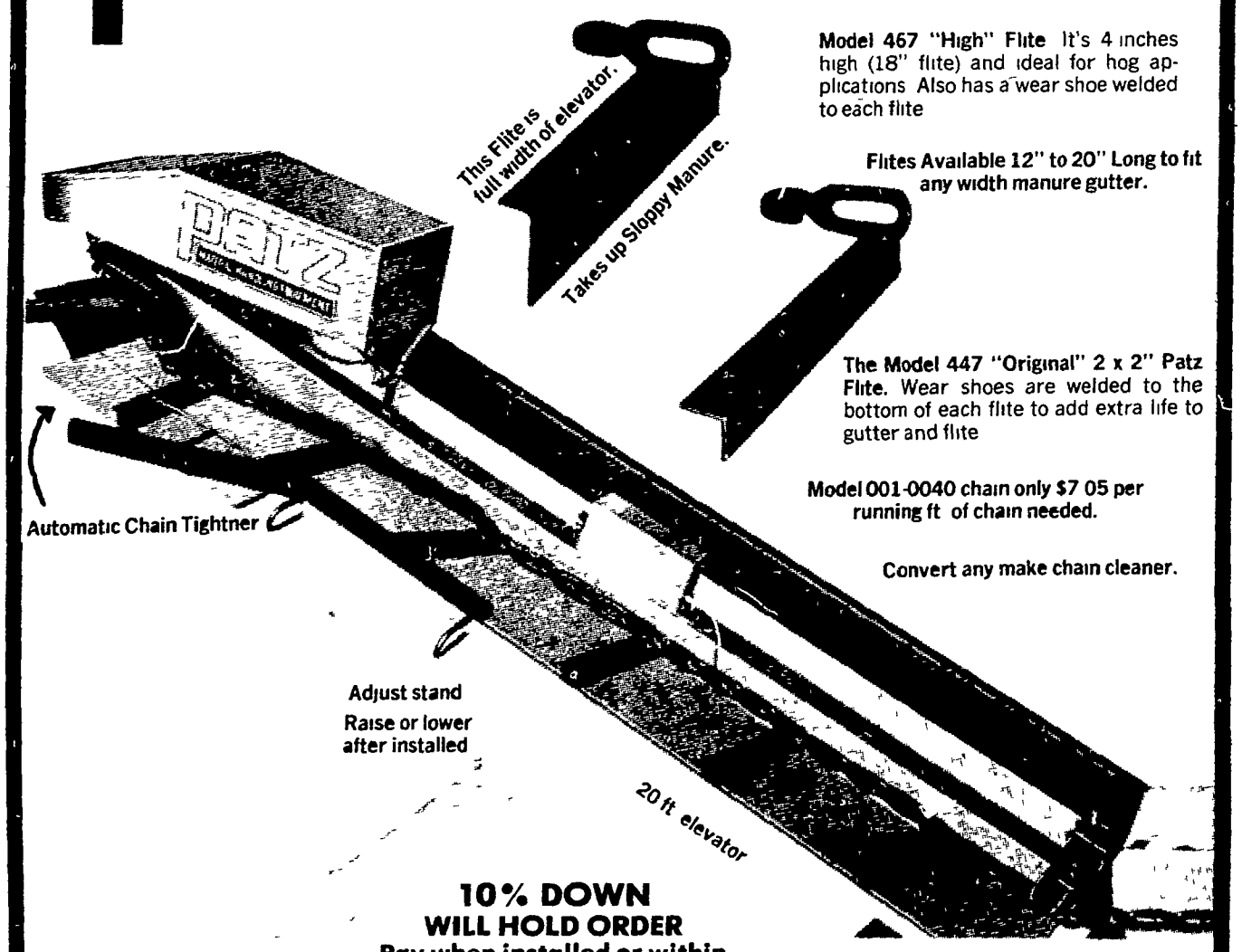
All cows that averaged over 100 pounds of milk per day had an average cell count of only 205,000. The county average of SCC for all cows tested in April was 420,000.

Dairymen often ask how they can lower their somatic cell counts and hopefully increase production at the same time. The areas of equipment maintenance and management come into question, but visiting with several diarymen who are successful in keeping their somatic cell counts low and their production high may provide some answers.

The three herds selected for interviews are from the top of the "honor" list on SCC reports from January through April 1978. They are: Landis Farm, Meadow Vista Farm and Solanco Acres Farm. All three farms have averaged less than

(Turn to Page 42)

PATZ BARN CLEANER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Flites Available 12" to 20" Long to fit any width manure gutter.

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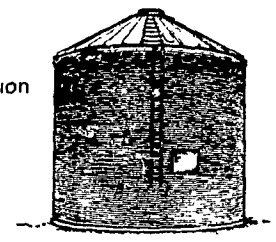

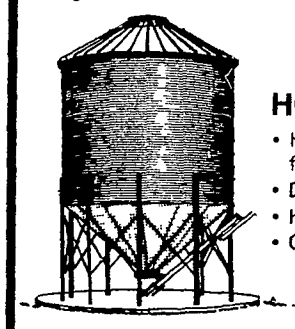

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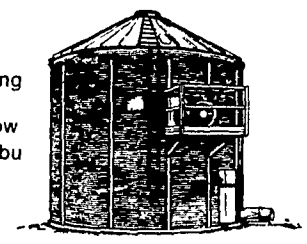

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STORMOR

Three Lancaster County dairymen

(Continued from Page 42)

150,000 SCC over at least the past four months.

Landis Farm, Manheim, is owned and operated by Earl N. Landis. This family dairy consists of 47 Holstein cows with a current rolling herd average of 18,688 pounds of milk and 693 pounds of butterfat. The cows are housed in comfort stalls. Feeding is conventional with corn silage, dry hay and supplement.

Meadow Vista Farm is a partnership consisting of Harold Risser and his two sons, Brian and Donald. The farm is located near Bainbridge in northwestern Lancaster County. The current rolling herd average on 123 Holsteins is 16,552 milk and 644 fat. Milking cows are housed in free-stalls and fed a total mixed ration.

Solanco Acres Farm is a true working family operation of the Curtis Akers family, Quarryville. Son Gary works at home full time in addition to lots of help in the barn from Mrs. Akers and daughters Nancy and Linda. The current rolling herd average at Solanco Acres is 19,007 milk and 739 fat on 57 cows. The cows are housed in a comfort stall barn and fed a conventional ration of corn silage, hay, ground ear corn and supplement.

These dairymen all stressed the importance of proper milking routine. Obviously, routine must start with cow preparation and stimulation. Two of these dairymen are using an iodine base udder wash, while the third is simply using clean warm water, with emphasis on "clean". The Rissers' stressed the importance of drying the udders before attaching units.

Overmilking - or simply letting units on the cow too long - is a common problem in dairying. Not so with these herds! They are all averaging under six minutes per cow milking time. Akers strongly feels that one person should not try to run more than two milking units. The Akers' milk with four units on a pipeline and try to have three family members in the barn at milking time. Rissers' milk in a double six parlor with 12 units and three men. Landis runs three pipeline units when he is alone and four when he has help from his daughter. These fellows all would rather see one unit idle than overmilk a cow.

Which brand of milking machine is best? This is the question every milking machine salesman hopes every dairyman will ask. Akers, Risser, and Landis all agree that they feel their current system is very adequate but hasten to add that brand is not an important concern to them. Last fall Rissers' moved from a bucket system in a stall barn to a new parlor with a different brand of equipment - no change in SCC or udder health was noted. These dairymen all stressed the importance of constant service checks and routine maintenance.

Rissers' and Akers are currently using narrow bore inflations, while Landis is using the two piece stretch liner. Akers stressed the importance of adequate vacuum and, more importantly, vacuum control. He has replaced the conventional lever type vacuum controller with a more responsive diaphram type and feels the change can be noticed.

Earl Landis believes that too many dairymen do not enjoy milking cows and therefore don't do an adequate job.

It's interesting to note that some dairymen in trouble are still not convinced that teat dipping is worthwhile. These three successful dairy operators have been teat dipping for eight years. Brian Risser volunteered, "Teat dipping has made us more money than anything else we ever started." The Rissers' are using a chlorine base teat dip, while Akers and Landis are using an iodine base dip.

Many dairymen in stall barns try to use the excuse that teat dipping slows them down too much and therefore they don't use it. If that's the way you feel, take a lesson from Earl Landis who milks alone most of the time. When he goes to the cow to remove the unit the dip goes along. When the unit goes off, the teats are dipped - no extra steps, no wasted time.

Benzathine Cloxacillin is the drug that all three of these dairymen agree is the proper dry cow treatment. Rissers' have been dry cow treating all cows for the past three to four years, with selective treatment prior to that. The Akers' routinely dry treat 95 per cent of their cows, with the exception of clean two-year olds. Landis cultures all cows one month before drying off time to determine if a special problem exists and then treats all cows accordingly. None of these dairymen have experienced an increase in hard-to-treat clinical cases since their prolonged use of dry cow treatment. Current research in this area supports their observation.

Each of these dairymen work with their local veterinarian in culturing problem cows. At the first sign of a serious problem in a lactating cow Akers takes a milk sample and refrigerates it. He then treats the cow knowing that the sooner a cow is treated the better are his chances for success. If the treatment is not successful he has a sample of untreated milk for culturing purposes.

There is general agreement among these dairymen that vaccines for mastitis are not an effective means of control. They also agree that unless the cow is sick, the only way to treat a mastitis case is with an udder infusion - muscle injections are not effective and not used in these herds.

All of these dairymen use family labor in milking.

(Turn to Page 44)

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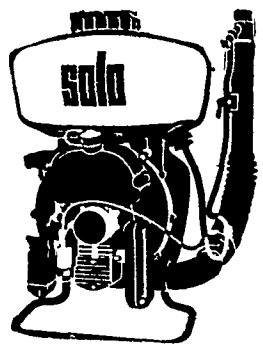

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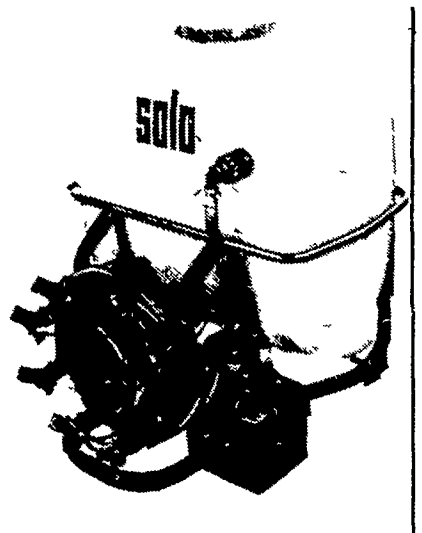

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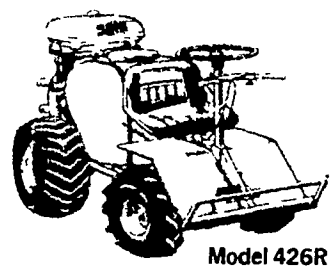

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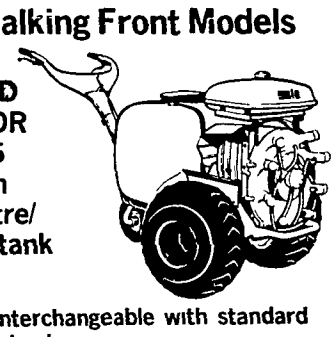

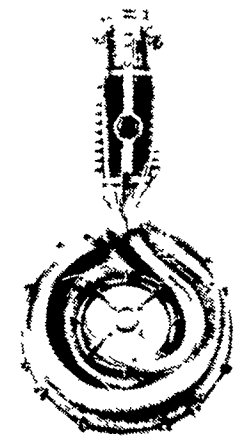

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Goat farm aims for high milk production

By KENDACE BORRY

WEST CHESTER – She was in the barn milking the goats, with the radio playing in the background. Forty-five goats were in various spots over the five acre operation, and fifteen were in the pen to be milked.

Mrs. Barbara Watson and her husband, Edward, West Chester, have been in the goat business for 17 years. Together the two of them work at bettering their herd, through genetics and breeding, trying to get higher milkers and good-looking goats.

"It all started as a joke," Mrs Watson stated. "I told a neighbor where we used to live that I needed a goat to get some blackberry brambles down in a little pasture, and he got me one But she was lonely, so we had to get her a companion goat, and then we started to milk, and so on."

Their herd is a production herd rather than a show herd, and they have had the high goat herd on the DHIA in Chester County for the past three years. They're milking around 1800 lbs. and Mrs. Watson added, hoping to soon be at 2000 lbs.

Out in the pasture, under the shade of the mulberry tree, the patriarchs of the herd quietly rest. The Watsons have both Aplines and American La Mancha purebreds as well as grade and crossbreed goats.

The herd comes from various parts of the United States, as the Watsons are always looking for goats that will improve their stock. They have purebred Alpines, American La Manchas, and grades, and Mrs. Watson related that often it was the crossbreeds that make very good milkers.

She spends about two hours at the beginning and end of each day milking her goats over the Summer, plus doing the feeding and general work around the barn. Right now she has about 30 kids that are also milk fed, plus there are two beef calves which are being raised on goat milk. Someday the cattle will end up in the freezer.

She also finds time to make her own butter from the goat's milk, explaining that although it takes longer for goat's cream to rise, but that butter can still be made. She then allows the skim milk to sour for 24 hours, and next scalds it. The whey is taken off by pouring the milk through an old pillowcase, and it is then allowed to completely dry. It is then frozen and forms what she calls a freeze-dried cheese.

Summer is the busy season for goats, according to Mrs. Watson. "Goats are seasonal breeders," she noted. "This makes for extreme fluctuations in the goat milk supply, but the most milk comes in the summer when the weather is nice, and most people want goat's milk. In the Winter, the supply dries up."

The Watsons are expanding their goat operation at the moment, building a new goat milking parlor in front of their barn.

"It will be a lot nicer than what we have now," the goat enthusiast said. "We're going to have eight stanchions on a raised cement platform, plus a separate area for the milk cans, and the stainless steel sink will go under the window," she explained.

The Watsons expect to start shipping their goat milk to Boyertown to a goat milk market once the parlor is finished. They are also applying for a raw milk licence.

The parlor is being built by students from a local vo-tech with supervision and help by Mr. Watson. He also is in charge of the goat genetic research and he works on

(Turn to Page 46)

Three Lancaster County dairymen

(Continued from Page 43)

Obviously not all dairymen can milk with family labor, but Don Risser makes a strong point of having people who care about the cows do the milking. He also stressed the necessity of knowing individual cows and following the same routine at every milking.

These three dairy opeations have much in common - similarities that they feel contribute to their low SCC and high production It's not necessary to visit with these folks long to realize that one of the most important things they have in common is a very positive attitude about their cows and the way they are handled Earl Landis summed up their feelings, "I like my cows and I enjoy milking them"

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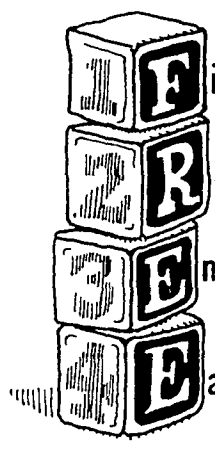

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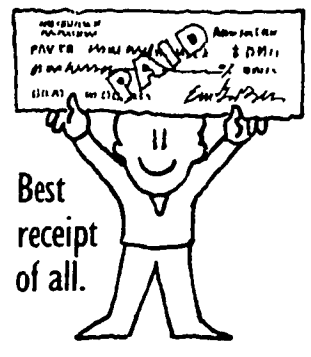

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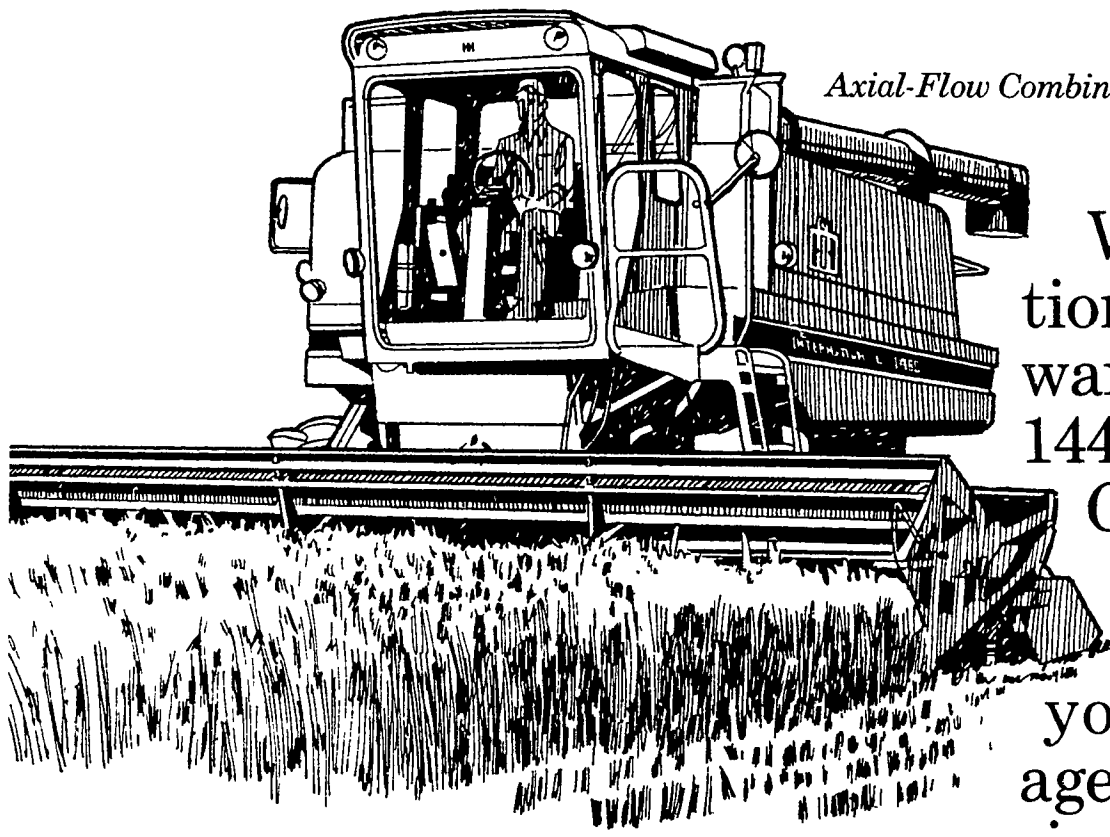

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Mrs. Barbara Watson milks her goat, Just Another Smith. She estimates that it takes her two hours at the start and end of every day to do her milking.

Goat farm

(Continued from Page 44)

figuring which goats should be bred to which to improve the herd.

"The name of the game is having each next generation improve," Mrs Watson stated. "It's kind of exciting, really. You become anxious to see what you're going to get." Someday the Watsons hope to have goats that they will show, although Mrs Watson stressed that it was the production end that they were more interested in.

The doe kids, if worthy, are added to the flock. Some of them are sold either to other herds or to someone who wants a pet Wethers are raised for meat, which Mrs. Watson said tastes a lot like lamb. The extra-specially good young billies are kept or sold for breeding.

"Goat owners usually aren't professional farmers," mused Mrs. Watson. "I guess we're a good example, my husband being a research chemist. I realize goats will never replace cows as a milk source, but they do provide an alternative source of milk for those who can't tolerate cow milk. You really can't say it's better, it's different."

She went on to add that she thinks goat's milk makes good ice cream and yogurt

Every one of the goats have their own name and respond when she calls them. One of them was expected to kid on the day of the interview and she noted that she would be checking the barn every hour to make sure that everything went all right in the maternity pen.

"If I can't be found in the house," she smiled. "I'm usually up at the barn." And there the goat owner will be, feeding, or milking, trimming hooves, or just generally checking to make sure that all is as it should be

June is dairy month

Vegetable farmers suffer tough Spring

NEWARK, Del. – The weather this Spring has been less than ideal for vegetable production – to say the least. The cool temperatures and excessive rainfall have not only caused problems to those crops that were already seeded or transplanted, but have also delayed planting of many other crops.

The early-planted crops in Delaware, peas and potatoes, could not be planted at their usual times in 1978. Planting was delayed at least two weeks because of wet field conditions and low temperatures. According to Delaware Extension horticulture specialist Dr. Michael Orzolek, the subsequent cool day and cold night temperatures have slowed growth and development, delaying harvest two weeks or more depending on the date planted. This may present a problem to the grower, since the acreage that can be harvested and processed is dependent on equipment, its operation, and downtime. Field problems which could damage both peas and potatoes are root and seed or seed-piece rot. Once the rots have started in the field, control is limited.

Cole crops that have been planted for spring harvest have almost stood still since planting. Because of cool temperatures, a greater number will tend to form seed stalks at maturity. A change to warm or hot temperatures at maturity will cause problems of quality, the specialist notes. Watermelons, cantaloupes, peppers, tomatoes and sweet corn must be transplanted or up by June 15. Otherwise they will either be too late for effective marketing, or they will not produce maximum yields or quality. Environmental conditions are extremely important during the maturation of these crops as they greatly influence the quality of the harvest.

Crops which have not been affected by planting delays are lima beans, snap beans and pickles. Since these crops are used in double cropping systems, they can be planted in late June and July.

Because of the excessive rainfall and cool temperatures, growers can expect to see several problems arise in the field prior to harvest. The big problem may involve loss of herbicide activity, resulting in poor weed control. Not all herbicides will lose activity, but for those growers whose fields are showing excessive seedling grass or broadleaf populations, timely cultivations will help keep down weeds.

Problems which may surface later in the season are slow crop growth and yellowing. These may be signs of hunger due to leaching of nutrients broadcast in April and May. Sidedressing with ammonium nitrate or a graded fertilizer such as 10-10-10 will help start the plants back on the road to maximum production.

Certain crops may react to the successive cool night temperatures this spring by producing flower stalks instead of edible crops. This could happen to carrots, cauliflower, broccoli, beets, and onions

Finally, Orzolek advises, one should pay extra attention to plant growth and development in the field this year. Spring conditions this year have increased the possibility of serious disease and insect problems to a number of vegetables. Special attention should be paid to required spray schedules for particular crop problems in 1978.

Consumers say their money doesn't buy enough nutrition

WASHINGTON, D.C. – A survey conducted by Food Marketing Institue revealed that consumers don't think they are getting enough nutritional value for their money. Despite the fact that purchases don't always reflect this concern, the FMI survey reported the main concern about food is nutrition and safety. Although the majority of the 1,188 people surveyed did not indicate they were drastically changing dietary habits, they did express a great deal of worry about additives, sugar, salt, cholesterol and fiber content.

Consumer Federation of America President Ellen Haas suggests that supermarkets promote a nutrition special of the month. According to Haas, supermarkets will soon promote nutrition because it's good for business and if they identify with nutrition, they might get back some of the business lost to fast food restaurants.

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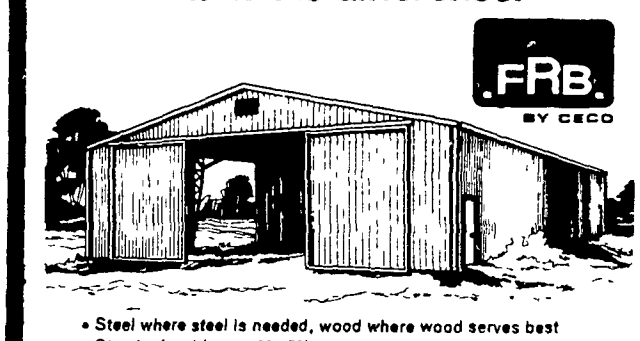

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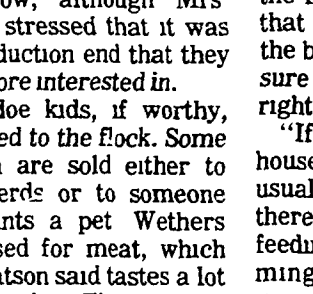

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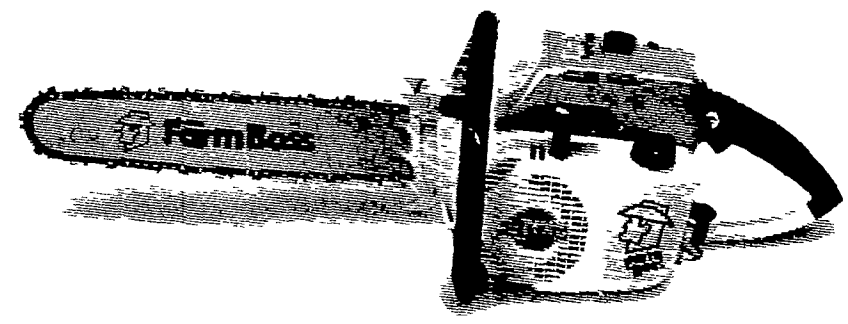

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Balanced program of management, advancement most important key in dairy operation

By SALLY BAIR
Staff Correspondent

UNIVERSITY PARK– A balanced program of management and genetic advancement is the most important consideration in a successful dairy operation according to Jack King, successful Maryland Holstein breeder. Speaking at the Dairy Herd Management Conference held at The Pennsylvania State University, King said, "You must recognize your limits and set realistic, but challenging goals for the herd."

If dairymen are committed to a large - and successful - operation, King said, "Production is the first thing to be considered in a breeding program." Once production is up, functional type should be the second goal in breeding. King acknowledged that this is the hardest thing to improve on

"Predicted difference has solved the question of which bull gives production, but it is hard to find the bull to sire the right cow," he said.

King spoke out against the descriptive score card used in Holstein and PDCA judging, saying, "They don't describe the cow we want in dairies. This is a show ring description which is not in tune with what we need." King said the time is here for a moderate-sized cow, weighing from 1400 to 1600 pounds.

"If you don't have time to plan your own mating," King told the dairymen, "You'd better have an outsider come in and suggest matings to you You cannot solve all your ills in one mating - it is only possible to improve a certain number of traits in each mating."

In the mating program for their herd, King said breeding receives a lot of time and emphasis. "We stick to the facts when choosing bulls and keep the mating system simple. We like to emphasize udders and legs in our mating program."

"Type has to relate to function or we shouldn't talk about it," King contends. He added that daughters of low predicted difference bulls don't stay in the herd because they don't give milk. "I haven't seen any changes in pricing to breed away from pounds of milk produced. I can't be too concerned about butterfat tests."

The goal of their herd is to have a 20,000 pound rolling herd average, with 3.6 pounds of fat. They would like to have a 13-month calving interval and 160 cows in milk daily with 100 healthy calves. Another goal is a 20 per cent cull rate, with 60 females available to sell for breeding, and two young sires to sample. "We have found that to be successful in merchandising you need some sound management."

With 250 females to breed annually, King said they use some bulls for production, but these also have a plus on type. Some bulls are used strictly for type, because "some cows don't need 1500 pounds predicted difference. We have some conception bulls, which are above average in conception rates, and we like a good all-around bull with 1000 pounds plus which is high on predicted difference-type."

Jack King

King advised, "Don't buy all your semen from one organization. Try to choose bulls from all over the United States and Canada. You are just limiting your own progress if you breed from one organization. No one organization has all the good bulls. There is also not one bull you can breed to all the cows in your herd "

In developing young sires, King said the sire must be sampled so it will be marketable. Dairymen should use popular bloodlines "because it is hard to sell something no one knows."

The Holstein Fresian Association sire summary book provides good information about sires as do AI industry people. But, King said, "You should go and see a lot of daughters of the bull yourself."

In building up a herd, King stated that heavy emphasis should be put on the sire and on bred heifers.

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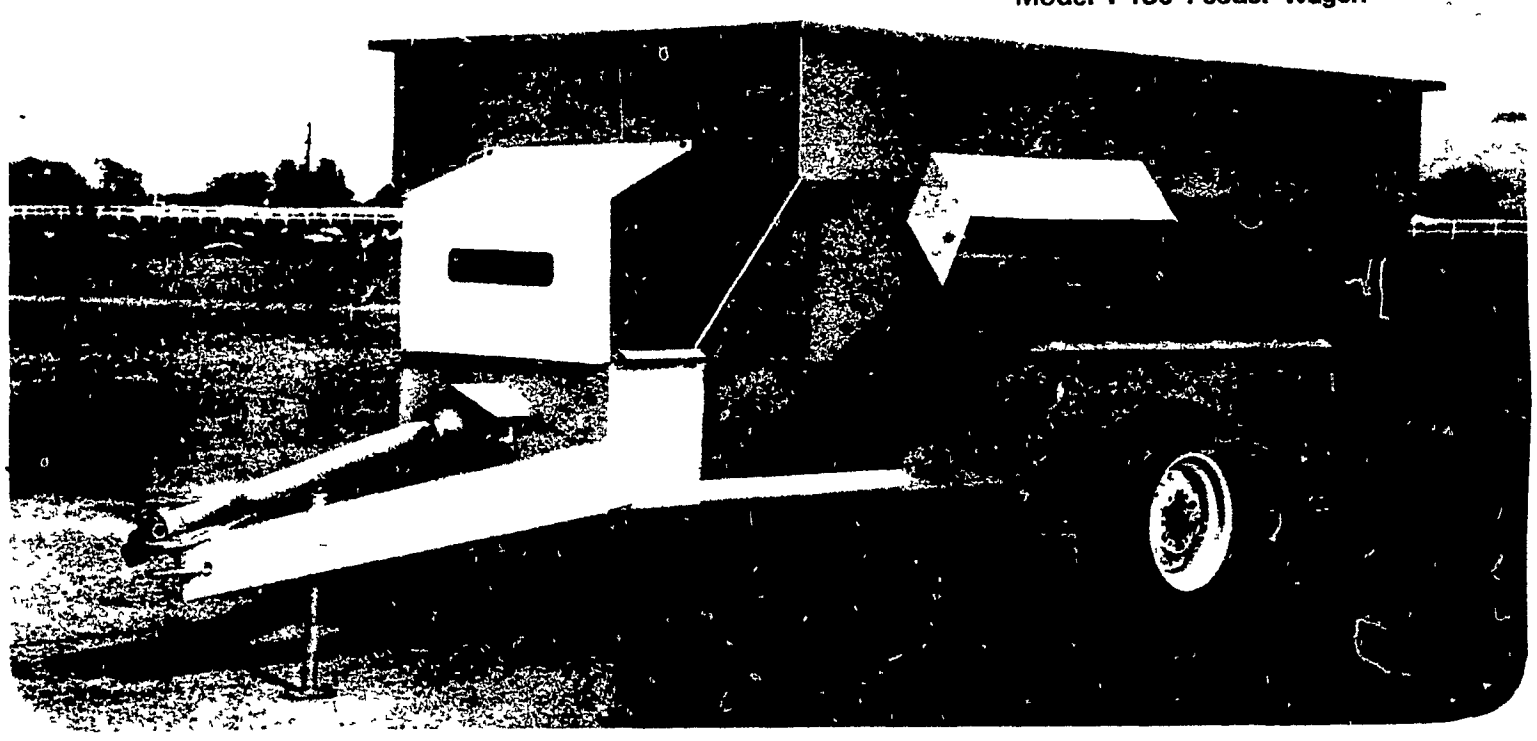

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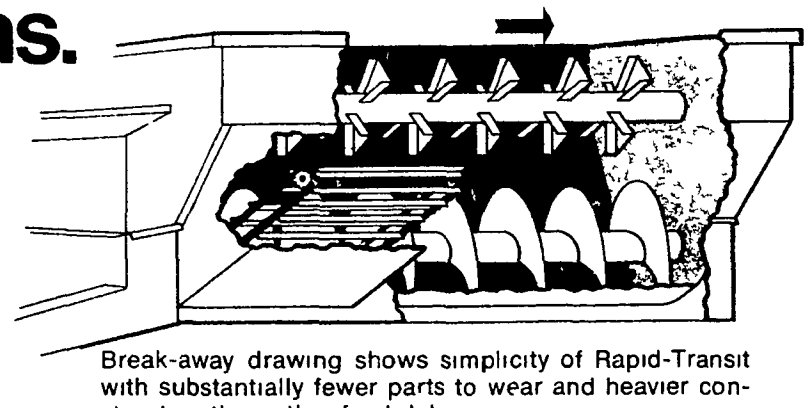
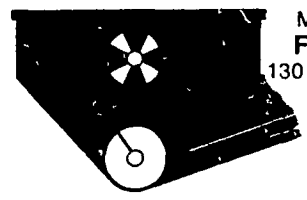
Paddle augers move rations rearward and eliminate bridging Auger moves material forward to discharge conveyor *This two-way action provides a degree of mixing*



Break-away drawing shows simplicity of Rapid-Transit with substantially fewer parts to wear and heavier construction than other feed delivery wagons



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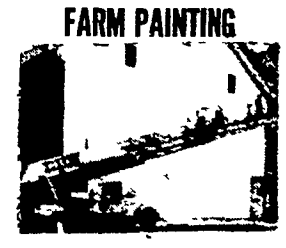

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Dairying is chosen career for these seniors

Tom Myer

Martin Moyer

By LAUREL SCHAEFFER
Staff Correspondent

READING – Dairy farming is an occupation which will always be needed, agreed Tom Myer, Womelsdorf R1 and Martin Moyer, Bernville R2. These young men will be graduating from area high schools very shortly and plan to work full time on their family dairy farms.

"I feel it's a good thing to get into," remarked Tom, "and milk will always be needed." Tom is presently serving as treasurer of the Conrad Weiser FFA Chapter and is the youngest member of his family. He and his father, J. Robert Myer, farm 350 acres and milk about 70 cows with the help of a full time man.

Agriculture is Tom's only interest as far as a career is concerned. He enjoys raising crops and animals and especially likes to be outdoors. "Farming is not a 40 hour a week job, but here I'm more of my own boss," he stated. The work is always there to be done, but Tom doesn't believe it will tie him down too much.

He is mainly involved with field work; milking only on weekends when the hired man is off. Even though he likes to work with the cattle, the field work is his preference.

The Myers are expanding their herd of grade Holsteins by raising their own replacements. "We can't expand our acreage with the present land prices," Tom remarked, "so we double crop a lot." Besides the escalating price of land Tom does not see any major problems in the future he has selected.

Tom plans to join a Young Farmers Organiztion and is looking forward to a trip to Penn State with the FFA Chorus. Other interests include sports and tractor pulls. He and his father participate with one of their own tractors which is mainly used for field work.

Martin, like Tom, is also involved mainly in the field work end of his family dairy operation. "I like the field work best," he stated, "but we need the dairy, I can't see how anyone could make it with only crops."

The Moyers farm 700 acres and milk approximatwely 90 Holsteins. Martin is the oldest of five boys and one girl born into the Moyer family.

Even though he works mainly in the fields, Martin emphasized he does like dairy cattle. "I like working with the cows more this year than before," he remarked, "Especially since I had a course in school which dealt with the care of lactating cows and how cows make milk. In the future he would like to work more closely with the herd

Martin's duties besides field work include caring for the heifers and maintaining machinery, while his younger brothers help with the milking herd. "I know more about the machinery," he explained, "I've sat on a tractor since I was six or seven."

This young farmer also sees a bright future in the dairy business, unless," he says, "the prices in equipment, fertilizer, seed, and whatever continues to increase and the milk prices don't."

Martin is presently serving the last of his term as vice-president of the Tulpehocken FFA Chapter but plans to continue with the organization and keep his land project. Martin placed first in the state with his 2-enterprise project book last year for his corn and hay crops, and has earned the Keystone Farmer Degree.

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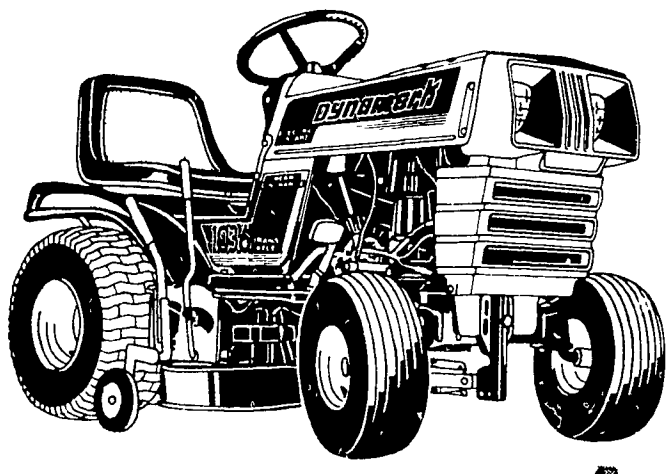

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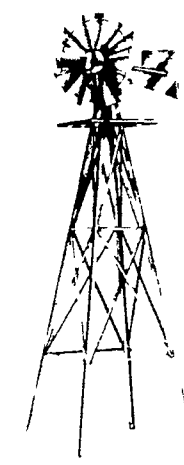

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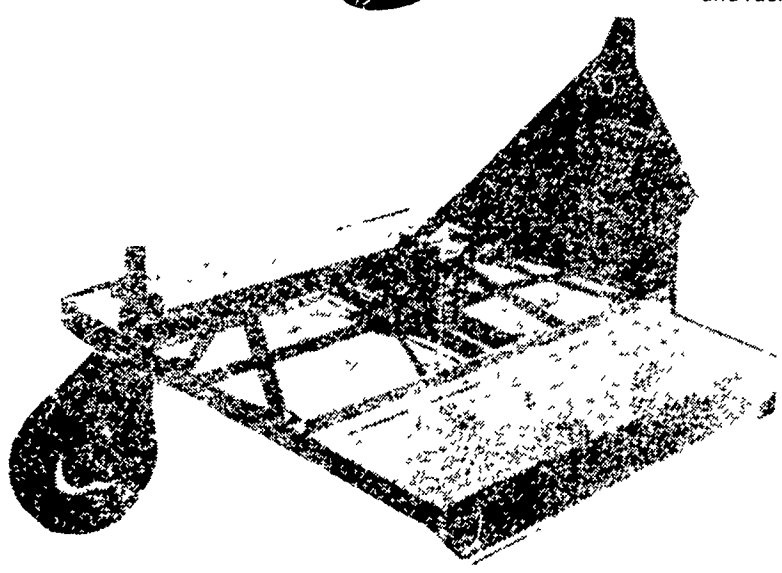

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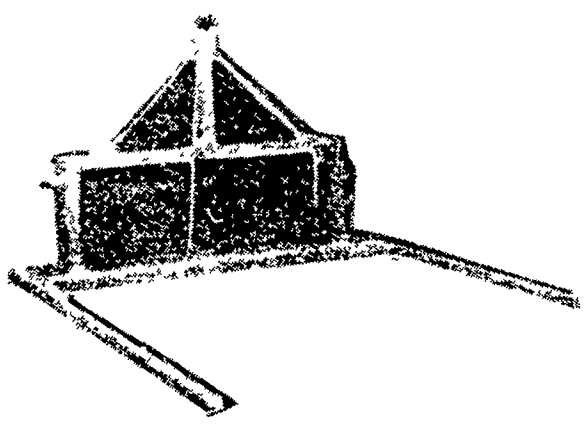

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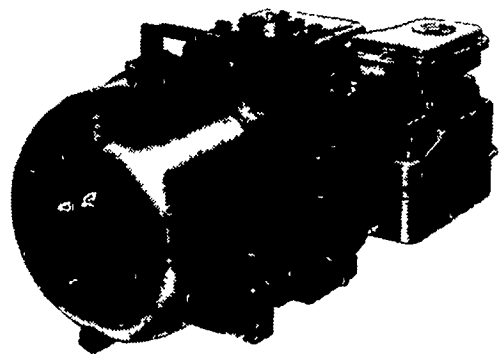

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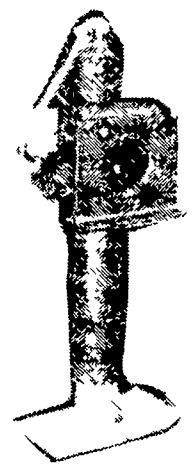

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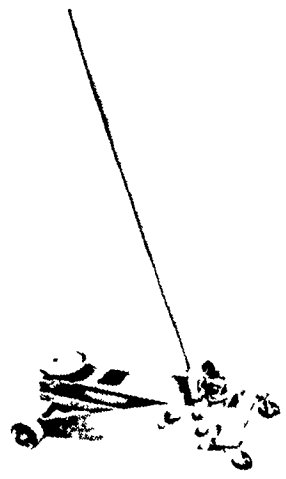

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Technicians must be optimists, says inseminator

Robert McDowell has been an inseminator for Atlantic Breeders for 29 years.

By SUSAN KAUFFMAN
Staff Writer

ATGLEN — This Spring Robert McDowell who lives with his wife Louise at 522 Valley Avenue in this Chester County community completed 29 years as an artificial inseminator for Atlantic Breeders Cooperative. Over these many years McDowell has learned a lot about meeting the needs of the dairy farmer, in particular. But his philosophy of how to be a good technician could apply to almost any individual, or company as well, who wishes to establish and maintain favorable rapport between customer and salesman.

"Country people are the greatest kind of people to work with," McDowell emphatically states. "They give a helping hand without any thought of payment. They set an example of helping out when there is a need. You feel a need yourself to return the favor by helping someone else," he adds.

Building and sharing a community consciousness in the rural setting is a basic part of working with dairy farmers, according to McDowell. Over the years there have been many examples when he was helped by farmers as he went about his work driving from farm to farm in all kinds of weather and road conditions. But two instances came to mind when he was asked for examples.

"One day I drove into a farm to inseminate a cow, and three farmers were there, shooting the breeze as they say, and just as I stopped, a rear tire blew out! They all had a big laugh over this and I went into the barn to inseminate the cow. When I came out they had jacked up the car and changed the tire for me!"

"Another time I was in a place and the son was washing the family car. When I came out of the barn to leave I saw that he had washed mine too!"

"You get a really good feeling when you have the confidence and trust of the people who live in the country," he re-emphasized.

"To be a good inseminator, the first step is to be farm reared," McDowell began. "Only by being reared on a farm can you get the first-hand contact with animals and the understanding of farmers' problems and goals."

McDowell explained that he was reared in Bucks County on a farm and came to Lancaster County in 1949 to become a technician for South-Eastern Pennsylvania Artificial Breeders Association, now known as ABC or Atlantic Breeders Cooperative.

For eighteen months McDowell worked in Lancaster County as technician number 10 in the 5-year-old farmer operated cooperative.

"We moved to Atglen then and I worked in Chester County for another 18 months and finally switched to working in Lancaster County in 1951 and have done so ever since," he recalls.

"The farmer knows as a business-man the buying and selling of services and products." In his hard day-to-day business dealings, he realizes other people must have a fair profit and he will accept that if he receives what he pays for." "A technician needs to give the farmer a sense of confidence in the technician's work or he will not call again," McDowell summed up the whole situation of a service-oriented business.

To achieve the farmer's confidence McDowell outlined a number of suggestions. First on his list was a clean-cut, neat appearance.

"First impressions are very strong," he pointed out "I would have to want a product awfully bad if I were to buy it from a sloppy salesman who calls on me," he explained. "I also think it is important to point out

(Turn to Page 52)

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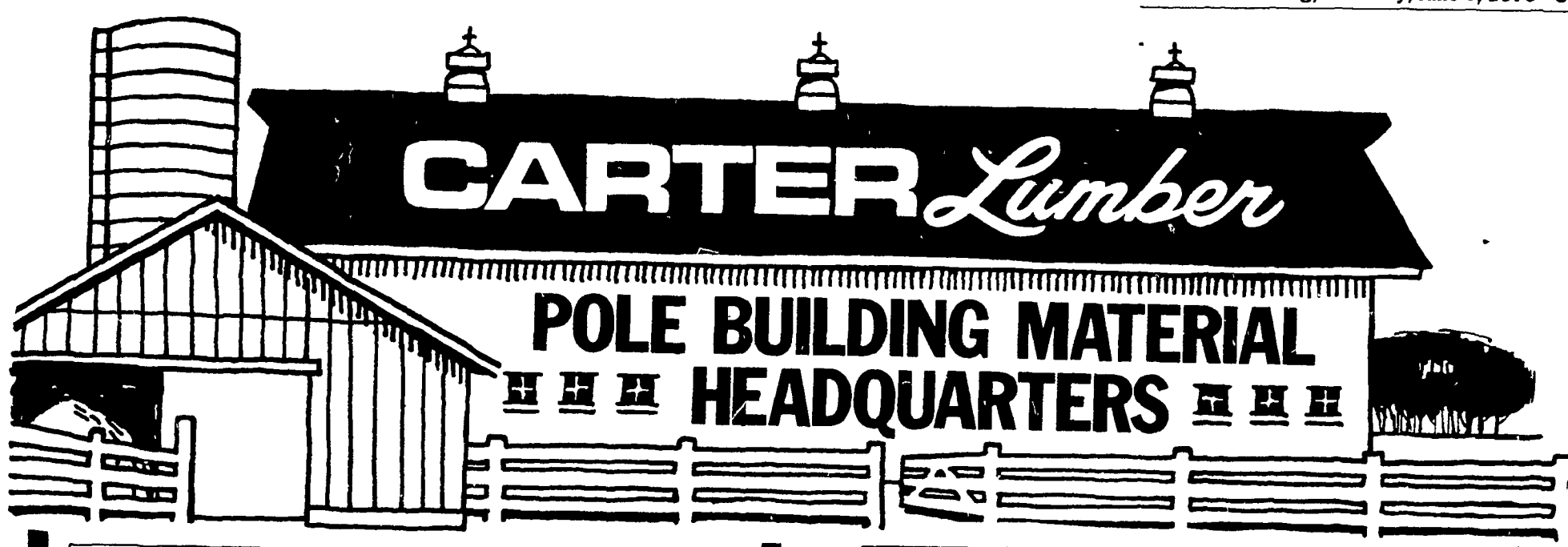

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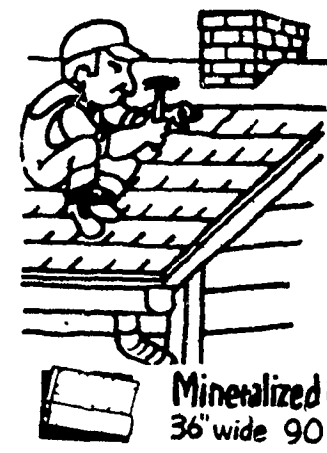

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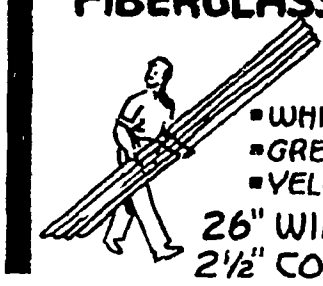

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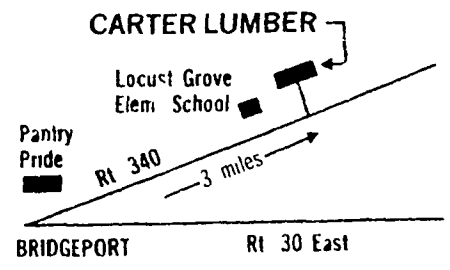

Technicians

(Continued from Page 50)

something good the farmer has done. To pay someone a compliment that is deserving can change the whole day for the farmer. Maybe he has had milker-pump problems that morning and everything seems frustrating to him. To give him a compliment about something he has done well may make the day go better for him."

"The technician must be an optimist," McDowell proposed. "The dairy farmer doesn't need any negative people coming around. Come in smiling. If I were a farmer I would want somebody who is glad to come to my place to do some service for me or show me how to save $5," he explained.

"The farmer himself has to be an optimist. He gets hit all day long with problems of weather, and marketing. Maybe the milk inspector has been at the farm that morning. He doesn't need any negative person coming around!

A technician must be a strong optimist and his optimism must carry over to the farmer," he surmised. "If the dairyman complains that there is no use being selective in sires because he has had nothing but a long string of bull calves, then the technician can tell him that now is the time to get things just right because chances are very good that heifers are coming his way!"

"The successful men, and women, in any walk of life are all optimists. If the technician can turn the day around for the farmer that is good," McDowell stated.

"Dairymen recognize the problems technicians have, and when the farmer asks for information on bulls or wants to talk about something, the technician should always try to take time to talk with him. Dairymen are quick to sense if you can help them or not," McDowell remarked.

"You need to be gentle with animals, not purposely, so but rather naturally so. You can't be mean or treat them harshly. You are working with his animals, his property. But you need to have a genuine interest in his herd and his cow families to help meet his needs. Most of the time farmers talk in terms of production but they all have a certain "type"; they dream of having a barn full of a certain type of cow. I have to find out what that type is. I ask him to show me the cow he wants. Some will then talk a long time about that type's characteristics and others will say very little."

"It is a good idea to have the herd checked every three or four years to see which way it is going-toward the type or away from it," he added.

"A good technician has to have knowledge of the cow families and sires available and be able to advise the dairyman about selection of sires," he explained. "The early sires in this area set a genetic pattern and the newer bulls were selected to complement that earlier pattern. Out-crossing, or breeding from uncomplementary genetic patterns, gives unpredictable results," he cautioned. The technician needs to see what the dairyman already has and then find ways to benefit him. If there have been a number of bulls used on a herd and there is no particular stamp on the herd, I usually look for weaknesses in the cows and point them out. I can show him what could be improved by pointing out the weaknesses which are costing him money. For example, for every three weeks out of milk production there is a loss of $180. Long calving intervals are very costly," he explained.

Besides keeping in step with the needs of each dairyman and the proofs of the bulls as they are published, the technician also has to be able to follow a repetitive procedure on the average of three time an hour, day in and day out, year after year. Depositing the semen properly and following proper sanitation steps such as washing off boots before moving to another farm must be consistently carried out.

"The technician and the dairy farmer both have the same goal in mind – a successful conception," McDowell summarized. "The technician should know what the farmer expects and the farmer should talk to the technician so that he can understand the farmer's goals of type and production."

"Getting calls for service in on time and having the cow in heat isolated from the rest of the herd helps the technician do his job better. Keeping the cow away from the rest of the herd cuts down on milk loss from the herd. The cow in heat will show a loss but the rest of the herd will not be disturbed as much" he added.

For 29 years Robert McDowell has been working closely with the dairy farmers in the Lancaster-Chester County area. Presently he works seven days and then has the eight day off with a weekend a month off. He also has annual vacation time. He usually begins his day around 7 a.m. and in the Summer months ends around 3:30 or 5:30 p.m. and in winter around 6 to 8 p.m. During the year, he clocks a total of 35,000 to 40,000 miles on a company car.

Veteran artificial inseminator for 29 going on 30 years, Robert McDowell sums up his whole philosophy of serving the dairy farmer with the statements: "The dairyman should be glad that you came. If he has confidence in you then he will call again I make my livelihood from them and I should be able to help them."

Allan Grant questions Carter tactic in holding up report on labor unions

PARK RIDGE, Ill. – The president of the nation's largest farm organization called last week for an explanation of why a Small Business Administration report highly critical of the labor-sponsored "Labor Law Reform Act" was held up for three months.

American Farm Bureau president Allan Grant cited a disclosure in the May 25, **Washington Post** that the Small Business Administration's Office of Advocacy prepared an unfavorable analysis of the labor act last January, and that it had been withheld from release until the Labor Department had written an accompanying rebuttal. The **Post** said the withheld analysis had concluded that the labor act "would trip the delicate balance that exists between small business and labor in favor of the latter."

The **Post** story also disclosed that the report came to light only after Senator Orrin Hatch (R-Utah) obtained a copy of it a few days ago.

"There are several imposing questions that come to mind," Grant said:

- "Why was the 'people's right to know' abridged for such a considerable period of time by an agency of the Carter Administration?"
- "Why was the report held up in the first place?"
- "Was there ever an intent to release the report before Senator Hatch somehow got a copy?"

Grant said these were questions that called for a response "from the highest level of the Carter Administration."

He said the SBA analysis released on its completion in January might have had a measurable affect on public reaction to the labor act and thus on attitudes in the Congress, where a Senate filibuster against it is underway.

"It might have even strengthened response patterns in a public opinion survey taken for the American Retail Federation which found – among 1500 respondents – that the largest single reform favored by most was a reduction of labor union power. Second was control on strikes.

"The survey turns up a 41-33 margin against changes to make it easier for unions to recruit new members; 48-22 against easing the rules by which unions gain the right to represent employees."

Grant said he felt that President Carter's pledge to the people to always tell them the truth had been compromised by agencies of his Administration.

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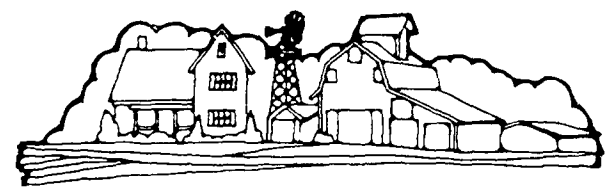

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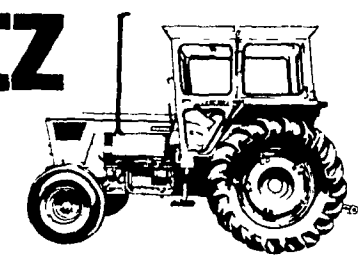
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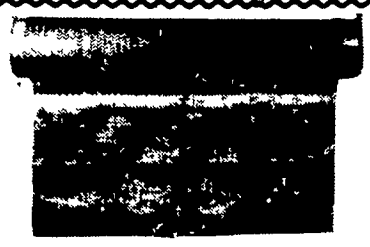

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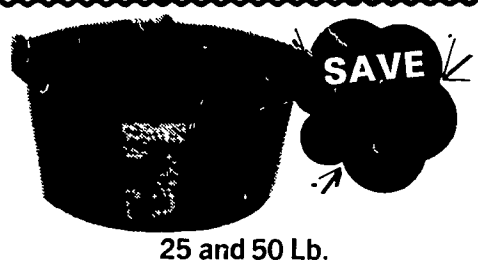

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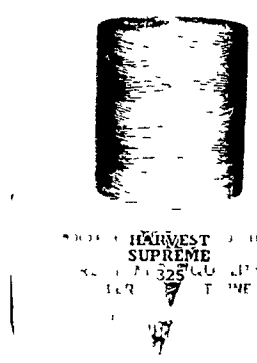

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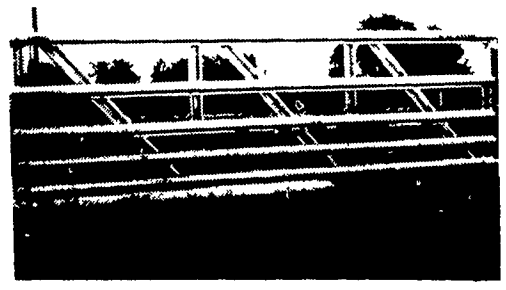

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Livestock marketing congress set

KANSAS CITY, Mo. – Livestock Marketing Congress '78 will begin with a look at one of today's most important industry issues, followed by an expert look at some of tomorrow's.

The June 14 opening session at Crown Center Hotel, here, will probe how the livestock industry can meet society's expectations in nutrition and health, and will be followed by futurist Leon Martel discussing "The Direction of Society's Expectations."

Martel is executive vice president and director of the research management council of the internationally-known Hudson Institute, Croton-on-Hudson, N.Y. He is co-auther of "The Next 200 Years" and has written for both intelligence periodicals and scholarly journals.

He and his associate, Herman Kahn, head of Herman Kahn, head of Hudson, are widely known for various fields, including food and agriculture. At Hudson, Martel has been project leader for studies for the Executive Office of the President, the Department of Defense and the Arms Control and Disarmament Agency.

The annual Congress, which is open to the public, is conducted as a forum for the presentation of developments, concepts and viewpoints dealing with livestock economics. Registration and program information can be obtained by writing or calling the Institute, 4900 Oak Street, Kansas City, Missouri 64112, phone (816) 531-2235.

Hearings completed on ag trade bills

WASHINGTON, D.C. – The U.S. House of Representatives has completed hearings on a legislative package to expand U.S. agricultural exports. Bills include H.R. 10437, 10377, and S. 2385. They would aggressively promote overseas market development, and establish Commodity Credit Corporation credit terms of 3-10 years under the CCC export sales program. Legislative initiative followed indications that the GATT multilateral trade negotiations in Geneva don't offer great hope for major new farm export opportunities. The package now awaits action in the House and Senate Agriculture Committees.

CHEESE A FAVORITE DAIRY FOOD

American Agriculture Council's phone-in uncovers frustration among farmers' communications effectiveness

WASHINGTON, D.C. – Farmers feel deeply frustrated that the American people "just aren't getting our side of the story on major farm issues – the kind that make us or break us."

This comment was typical of hundreds coming from farmers and farm wives in almost every state who participated in a "Farm Line" telephone poll conducted by the Agriculture Council of America (ACA) May 24, on the subject – "Agriculture today: what should the American people know about it?".

Some 90 per cent said they felt non-farm consumers are not well-informed about farm issues, and underlying most responses was growing concern that "our future is in the consumers' hands, but city people just don't understand our problems."

Calls were taken by a panel of top-level experts on the farm economy including senators, congressmen, and spokesmen for the U.S. Department of Agriculture and the White House. Heading up this group were: Senators Bob Dole (R-Kans.) and Carl Curtis (R-Neb.); Representatives Dan Glickman (D-Kans.) and Tom Harkin (D-Iowa); USDA's Ray Fitzgerald, administrator of the Agricultural Stabliization and Conservation Service, Jim Webster, acting director for Governmental and Public Affairs and Kelly Harrison, general sales manager; and Lynn Daft, of President Carter's Domestic Policy Staff. Interest in the phone-in program ran extremely high with approximately 300 calls from 20 states actually completed and tallied. ACA's twelve WATS lines rang continuously with a substantial backlog of calls apparent throughout the four-hour session.

"The results indicate a growing level of frustration, and the pattern seems to be nationwide," noted Jack Campbell, senior vice president of the Miller Publishing Company in Minneapolis, and chairman of the ACA Communications Committee.

"The farmer recognizes that in an overwhelmingly urban society he has to do a better job of getting his position on major issues explained and understood," Campbell added "They seem to rate more effective communication with the urban majority as one of their most pressing needs at the present time."

ACA will review the phone-in results as part of the planning process for an "agriculture information" program – a comprehensive effort to provide interesting, creative materials to communicate facts on the U S farm economy

Each caller participating in the Farm Line was asked to respond to a questionnaire specifically designed to collect and help interpret opinion One of these questions was open-ended, asking the caller to cite what facts about the current farm economy need to be communicated to the consumer Response showed concern with a number of issues:

"Farmers should make a fair living – that's all we ask." – Robert Prenson, wheat farmer from Bison, Kansas.

"Tell the consumer that the farmer can't produce year after year and lose money at it. The farmer must have a profit." – Bill Roberts, wheat and cattle producer from Willow, Oklahoma.

"The farmer's risk is greater than anyone else – subject to weather vagaries. And his success (the farmer's) is important to all consumers!" – V.A. Lane, cattle producer from Decatur, Alabama.

"A healthy national economy starts with a healthy agricultural economy" – Mary Fletcher, cotton farmer from Lonoke, Arkansas.

"Being big in farming doesn't imply profit. Sometimes the smaller farm does better" – Herman Schmitz, wheat farmer from Williston, North Dakota.

"With more and more foreign investments – who is going to own our farmland?' – H.R. Pruitt, wheat, cotton and dairy farmer from Slidell, Texas.

"Agricultural exports are important – they strengthen, not weaken our economy." Myron Krenzin, administrator, Kansas Wheat Commission.

In comparison to the question about the non-farm public's understanding of farm issues, some 70 per cent of the callers said they thought that farmers were well-informed about consumer problems often voicing the comment – "We're consumers too."

When asked to rate reasons why the non-farm public should understand the farm econmy, callers placed the most emphasis on support for farm programs in Congress and the consumer's willingness to accept changes in food prices. Rating statements very important, important or not so important, callers gave the following responses: a) so consumers will be more willing to accept variation in food prices – very important - 65 per cent, important - 30 per cent, not so important - five per cent; b) so consumers will be more willing to have their representatives in Congress support farm programs – very important - 73 per cent, important - 21 per cent, not so important - six per cent; c) so consumers will be more aware and willing to support the cost of improved food safety – very important - 44 per cent, important - 31 per cent,

(Turn to Page 56)

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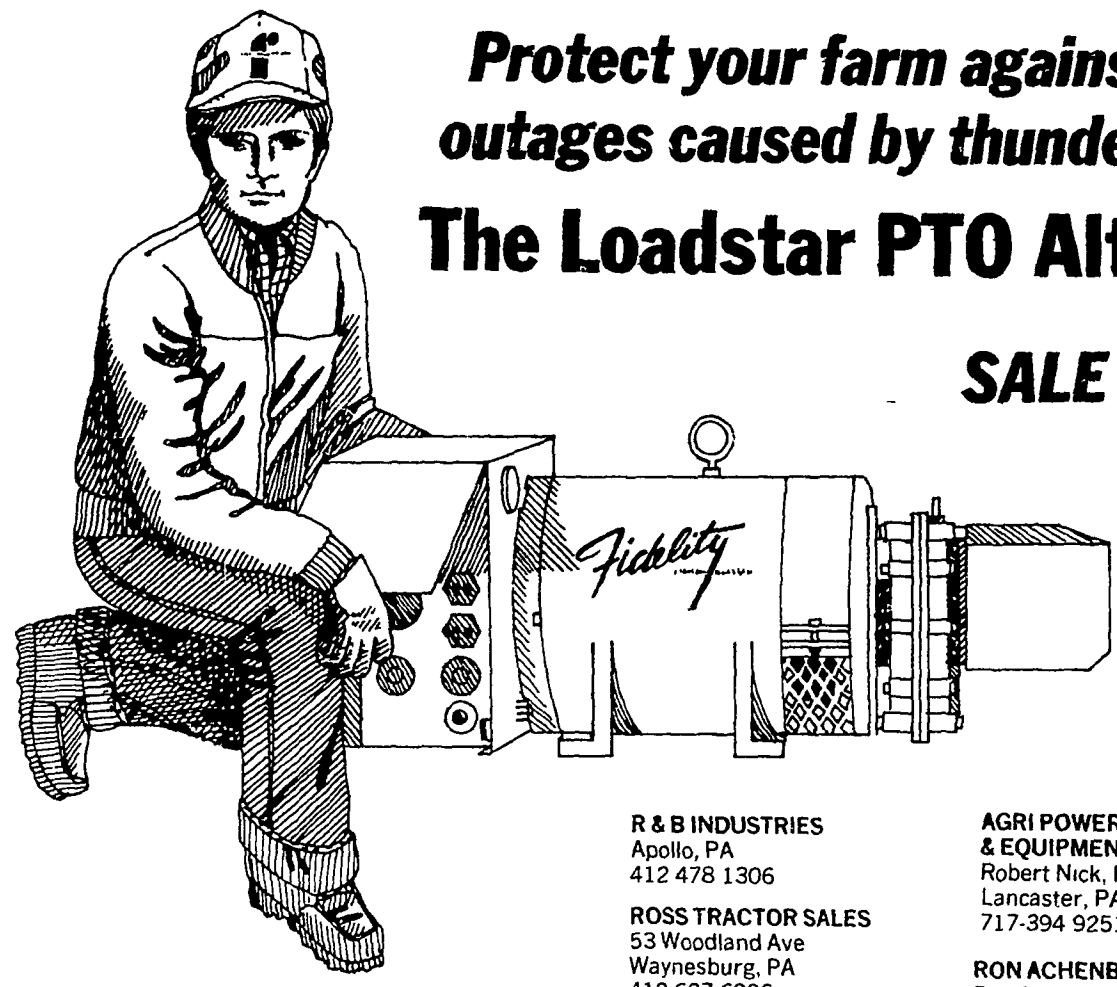

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Grange leader links ownership to farm economy tumble

By LAUREL SCHAEFFER
Staff Correspondent

ROBESONIA – "Forty percent of the land in agricultural production in Pennsylvania is leased," Charles Wismer told a recent gathering of the Conrad Weiser Young Farmers. Farmers are working this land but don't own it. "It reminds me of the old feudal system of England," continued the Montgomery County farmer and legislative chairman of the Pennsylvania State Grange.

"Is the United States going the same way?" he asked, "where only the rich own the land." The speaker told the farmers the number one reason of the farm strike is the rising price of land. It is either too expensive for a farmer to buy or else it has increased his collateral and he has borrowed too much and has gotten caught when the prices dropped.

Farm debt has increased 30 per cent in the last two years, Wismer continued. Also noted were the commodity prices which have been dropping since 1974 while production and living expenses have continued to climb. Yields haven't increased on the national average over the last four years either, the speaker continued.

After describing the bleak picture, the legislative chairman went on to explain how several changes in state laws could brighten the situation. Changing the law to allow farm family exemptions towards the state corporations capital stock tax was one proposal mentioned which is presently supported by the State Grange. "There are 13 exemptions," Wismer explained, "but agriculture is not one of them."

Other charges would guarantee loans to farmers at reduced current interest rates, reform workmen's compensation to give special rates to farm families, and establish a security fund to replace the present bonding system of milk dealers.

Tax reforms are also supported by the State Grange. Wismer explained how inheritance taxes should be changed to base farmland on it's use value if it were kept in agricultural production for 15 years. Real estate taxes also need to be reformed; they have nothing to do with what the land can produce, he added.

The speaker continued to describe a long list of bills which are currently being proposed and studied in Harrisburg which would affect farmers. "Most legislators and lobbyists don't know the farmers' problems," he stated.

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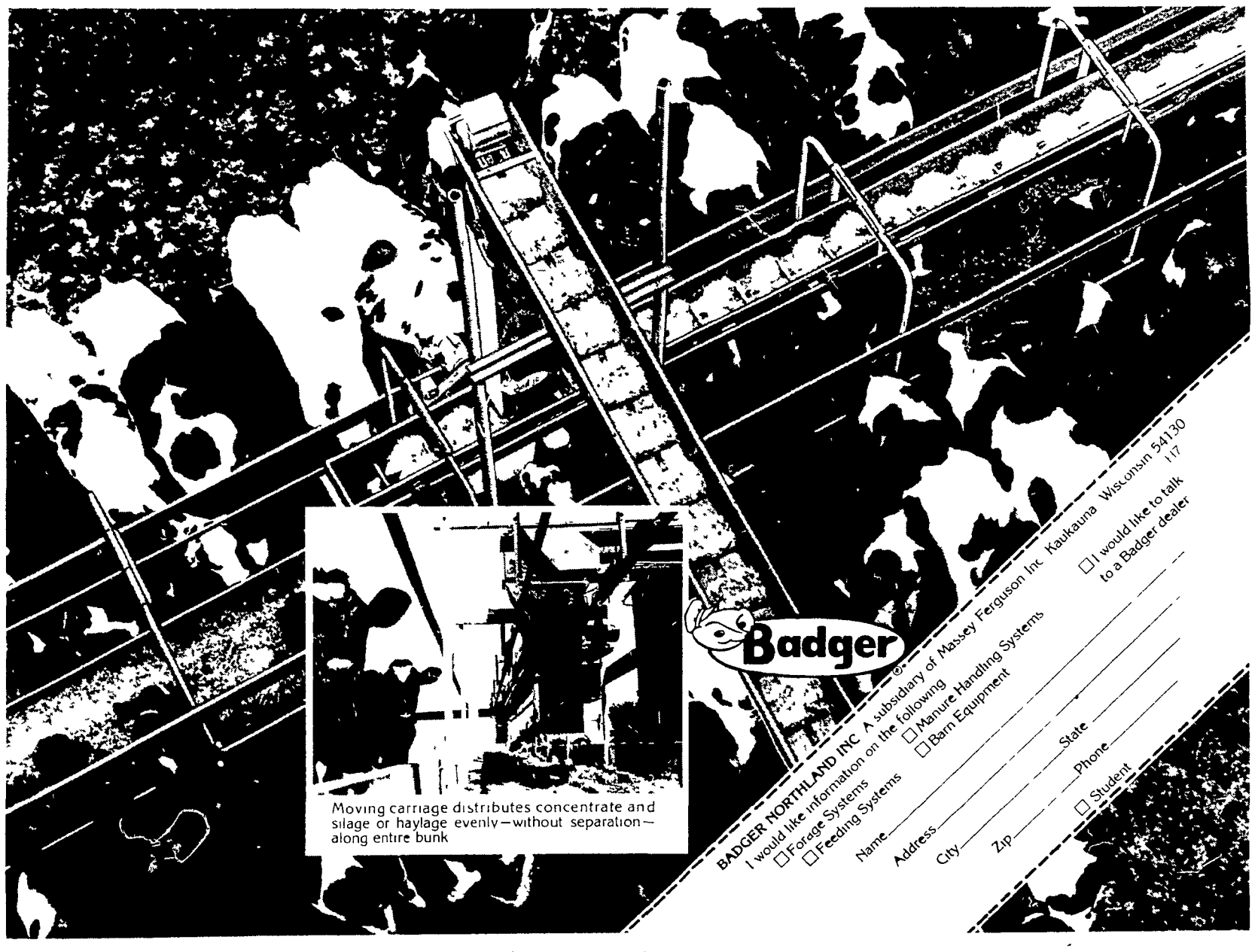
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There are many animals on earth who produce milk, some of it richer than that of cows.

Depending on the type of product desired, there's an animal milk to suit every purpose. According to Harvey L. Gunderson, professor of zoology at the University of Nebraska, there are wide variances in the composition of milk due to many factors, i.e., growth rate of the young mammals and geographic/climatic conditions.

Because dairymen are paid on a milkfat basis, they might be interested in knowing the Atlantic gray seal's milk is 55.2 per cent fat. The next milk highest in fat, at 42.3 per cent, is that of the Fin whale (who produces about 130 gallons of milk per day).

A lion, in turn, has over four times the milkfat content of a good dairy cow.

Lower down on the fat scale, but much higher in lactose levels, is the African elephant's milk. It contains 6.5 per cent lactose. If high solids content is sought, the Atlantic gray seal's milk is two-thirds solids, more than is found in Cheddar cheese.

Dairymen can be thankful that, instead of roaring lions and stampeding elephants, they are only dealing with cows that can sometimes be cantankerous

AAC phone-in

(Continued from Page 54)

not so important 25 per cent; and d) so consumers will be more willing to spend public money to preserve the environment and standard of living in rural America – very important - 43 per cent, important - 31 per cent, not so important - 26 per cent.

Callers also rated the importance for the non-farm consumer to understand a number of agricultural issues areas. Again rating each statement very important, important or not so important, the response was: a) the cost of food in the U.S. compared with that of other countries – very important - 68 per cent, important - 20 per cent, not so important - 12 per cent; b) the portion of the total food bill that the farmer actually gets – very important - 83 per cent, important - 14 per cent, not so important - three per cent; c) the importance of agricultural exports to our overall balance of trade – very important - 76 per cent, important - 21 per cent, not so important - three per cent; d) how government programs actually work, and what percentage of total farm income they comprise - - very important - 49 per cent, important - 39 per cent, not so important - 12 per cent; e) the heavy debt load that farmers are carrying – very important - 73 per cent, important - 19 per cent, not so important - eight per cent; and f) the extreme risks farmers must assume due to weather and foreign markets – very important - 67 per cent, important - 28 per cent, not so important - five per cent.

Finally callers indicated great enthusiasm for an agriculture information program. Asked if they felt organizations in their area would be willing to use materials to communicate the story of agriculture to the non-farm public – 50 per cent responded groups would be very willing and 36 per cent responded willing. And 98 per cent of the callers said they wanted to receive information from ACA on how they can participate in this information program.

Realizing there was a very serious backlog of calls, ACA urges those who were unable to complete their calls on May 24 to put their comments in writing and mail them to: ACA, P.O. Box 23421, Washington, D.C. 20024. All written comments will also be reviewed as part of the planning process for ACA's agriculture information effort.

ACA operates the Farm Line on a periodic basis to provide a forum to let people at the local level discuss major issues with national leaders in Washington. As a non-political, non-legislative organization ACA does not advocate any particular position or view, the positions expressed via the Farm Line are strictly those of the participants.

The Agriculture Council of America, formed in 1973, is made up of individual farmers and ranchers nationwide, farm and commodity groups, and companies that supply the farmer. Its purpose is to promote better understanding of American agriculture.

*Attached is a copy of the final tabulation of the Farm Line questionnaire.

Still higher beef prices predicted

DES PLAINES, Ill. — Things are looking up for the cattlemen, and it's about time says a Texas economist.

"The years of 1975, 1976 and 1977 were the worst ever for the cow business, but the worst is over," says Dr. Ed Uvacek. "Cowmen can look forward to much better prices between the years 1979 and 1983 because the cattle cycle is likely to stay on the upswing for that period."

Dr. Uvacek, Extension specialist and associate professor at Texas A&M University, College Station, Texas, spoke at a special livestock and meat situation conference sponsored by the American Farm Bureau Federation Commodity Division.

Beef prices are expected to increase at both the farm level and the retail level for the next few years, Dr. Uvacek predicts.

He says that high retail beef prices in 1975 went almost unnoticed because the retailer had a good supply of cheap hamburger, but that situation has reversed now. There is a shortage of hamburger type beef now, and the price is going up rapidly.

One factor contributing to higher beef prices was that an anticipated build up in hog production did not materialize in the first half of this year, but Dr. Uvacek expects hog production to increase two to four per cent in the second half of the year.

Dr. Timothy Hammonds, senior vice president of the Food Marketing Institute, Washington, D.C. says one factor contributing to higher food costs is that consumers are not holding back on the purchase of convenience foods.

Another factor, he says, is that more women are employed full time now and turn to convenience foods because of the time element.

Dr. Hammonds says that one of the most difficult problems facing the retail food business is the constant conflict between governmental regulatory agencies. The conflict is most noticeable, he adds, between the Occupational Safety and Health Agency and the Food and Drug Administration.

Milk production, dairy product use increasing

ROSEMONT, Ill – U S milk production reached 123 billion pounds in 1977, up nearly 3 billion from 1976's 120.4 billion pounds The increase stemmed from the combination of favorable milk prices, resulting from the 1977 support price and lower feed prices

The favorable milk-feed price relationships stimulated heavier concentrate feeding which, in turn, increased 1977 output per cow to 11,194 pounds, almost 3 per cent more than 1976's 10,879 pounds. Favorable conditions for milk production prevailed and large numbers of heifers continued to enter the milking herd, so cows decreased only by 71,000 from the 11,005,000 present in 1976

Per capita consumption of all dairy products (on a milk equivalent basis) in 1977 was 552 pounds, a slight increase over 1976's 548 pounds Consumption of lowfat fluid milk and ice milk showed per capita increases in 1977 Cheese consumption, which was at 15 9 pounds per person in 1976, rose almost one-half pound to 16 3

According to a recent Elrick & Lavidge market research study, sponsored by the National Cheese Seminar, the promotion of cheese and introduction of new cheese varieties are the major factors in the increasing per capita cheese consumption

Total commercial use of milk and dairy products in 1977 reached 116.2 billion pounds, compared to 1976's 116 3 billion pounds But cash receipts from dairying in 1977 were $11.8 billion, up from $11 4 billion in 1976 and a record high

Describing dairy products in relation to milk equivalent basis means talking about them in terms of the amount of milk of standard milkfat content required to produce them

The quantity of milk actually used to produce one pound of each product depends chiefly upon the milkfat content of the milk, which varies throughout the country Here are some approximations To make one pound of: Butter, requires 21 1 pounds whole milk, Whole Milk Cheese, 10 0 pounds whole milk; Evaporated Milk, 2 1 pounds whole milk; Condensed Milk, 2 3 pounds whole milk; Whole Milk Powder, 7 4 pounds whole milk, Powdered Cream, 13 5 pounds whole milk; Ice Cream (one gallon), 12 0 pounds whole milk, Cottage Cheese, 6.25 pounds skim milk; and Nonfat Dry Milk, 11 0 pounds skim milk

If favorable milk-feed price relationships continue, 1978 milk production could be about one per cent above the 1977 total of 123 billion pounds Per capita consumption of dairy products in 1978 will probably be slightly higher than it was in 1977

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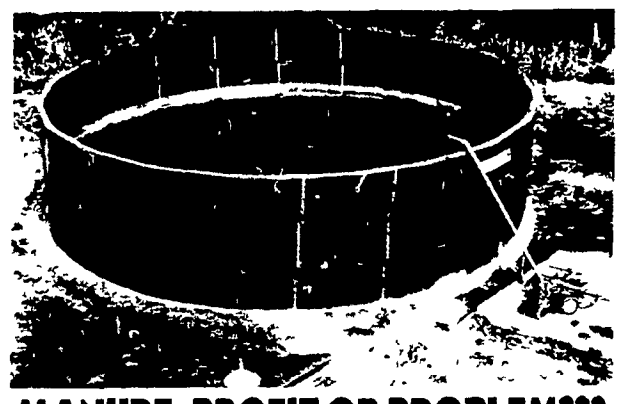

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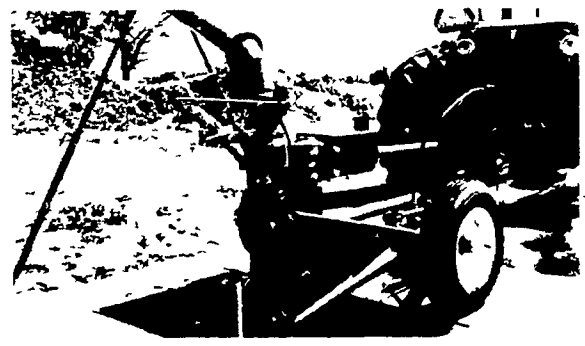

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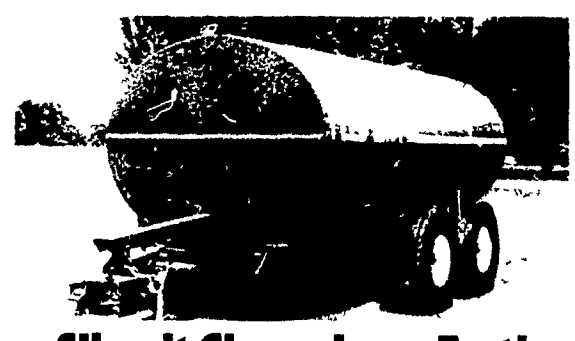

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York Co.'s first official goat herd on the way

By JOYCE BUPP
Staff Correspondent

NEW FREEDOM – York County is about to get its first official goat dairy herd.

Nancy Ickes, a young New Freedom R1 farm wife is presently constructing a goat milking parlor. She hopes to have all the licensing requirements fulfilled shortly to begin selling raw goat milk and producing manufactured goat milk products, including cheese and yogurt.

"Goat's milk is easier to digest," insists Nancy, who obtained her first goat for the family's use about 10 years ago. With the support of husband Fred, and the help of daughters Stephanie, 10, and Jennifer, 3, the herd of goats has now grown to 13 milking does, a few bucks used as herd sires, and a barnful of adorable, curious kids.

The herd is a blend of both purebred and grade stock, with Nancy working to upgrade the animals through breeding to pedigreed bloodlines. One new addition to the Ickes' breeding stock is the recently purchased young sire, "Aspen Hill Joey's Monarch." The snowy white 2-year-old Saanen buck is a tall strong animal, and will, like all goats, continue growing in size until the age of three.

"Monarch" brought to the herd some pretty impressive background. Included in his pedigree history are eight of the top 10 nationwide milk and fat production dams.

Goats are judged by dairy characteristics similar to those used in the selection of dairy cattle. They should be full barreled, straight, and strong in the chest. Rumps should be long, but somewhat sloped for ease in delivery of the kids, which normally arrive as twins.

"I breed the goats based mostly on size and weight factors, not necessarily age," Nancy figures. "The bloodlines of the individual animals help determine at what age they'll have grown large enough to breed."

One key advantage of goats over cattle, according to Nancy, is that there are virtually no reproductive difficulties, and the does will breed back regularly each year right on schedule. Daily production will hold at about eight to 10 pounds and the milkers remain fresh for approximately 10 months at maturity.

Goat milk is higher in butterfat than that from most dairy cows and is naturally homogenized so there is rarely any separation of the cream. One exception is the Nubian breed, which has a lower production level but higher percentages of fat. Nancy recalls one Nubian from the herd that tested up to nine per cent butterfat.

Bought directly at the farm outlets, raw goat milk will sell for about 65 cents per quart. The product can rarely be purchased in stores, other than health food retailers, where Nancy has seen it priced up to $1.75 per quart.

Kids weigh up to 12 pounds at birth and are nursed on the mother for two days. Nancy then switches them to four daily bottle feedings, a chore which claims several hours from her hectic schedule.

Since dairy goats are multi-purpose animals, providing both meat and milk, the young bucks are neutered and raised for meat, while the does are raised within the herd for replacement stock. The goal of the Ickes family is to presently increase their herd to a level of 20 milkers, with possible future expansion as the business demands.

"Goats will not will not eat tin cans," emphasizes Nancy, who sometimes becomes frustrated because of misconceptions that surround her favorite animals. "They are browsing animals, like white-tailed deer, that are designed by nature to eat fiber foods and nibble grasses and branches. Paper, of course, is made from tree fibers – and goats have been known to nibble the paper from a can."

In fact, goats require a rather sophisticated diet and would be happy when fed the high quality feeds given to dairy cows. Top-grade alfalfa hay or clover is the favorite choice of Nancy for her milkers. Fed along with the dry forage is a 16 per cent protein feed which includes corn, oats, and molasses. Goats must have a crunchy feed, and they refuse to eat any grain blend that is too fine or dusty.

The various types of goats originate from points all over the globe and have provided man with sustenance for hundreds of years. Goats with ears that point upward trace their origin back to countries with cold climates, perhaps high-mountain lands like Switzerland. Drooping-eared goats come from warmer environments, such as South African countries.

Friendly and gregarious animals, goats thrive in the company of people. Nancy says that a pet goat does not really make the very best milker. Working animals should be treated as such and given the same firm, gentle care as any herd of farm livestock. A pet goat will be just that: a pet.

Summer will take the Ickes' to several area fairs for the goat show circuit; they already have the York, Westminster, and Timonium fairs marked on the calendar. Stephanie is a member of the newly-formed York County Dairy Goat 4-H club and will be exhibiting her project animal.

The popularity of goats has increased tremendously in California and in the Midwest, says Nancy, who is an avid reader of the national goat association's journal and related publications.

One indicator of the growing interest in this area in dairy goats is evidenced in studies being undertaken by the University of Maryland. Researchers there are now beginning to gather information on goat sire proofs and production data. Nancy will be taking part in this initial project through enrolling her herd in the Dairy Herd Improvement Association operated under the auspices of the Maryland University. Regular monthly milking information will be computerized and printed out for complete records on the goat herds taking part.

Enthusiasts of the goat industry see a bright future in the heavily-populated areas of the East with these herds that take less space than cows, produce less odor and convert feeds more efficiently. Nancy predicts the day when goat dairies wil surround the metropolitan areas, satellite fashion, providing a growing portion of the milk needs of the future.

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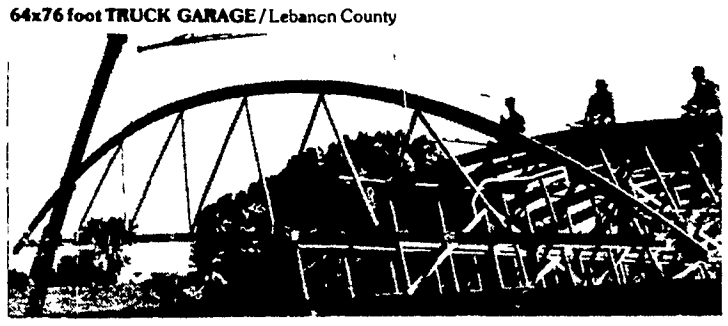

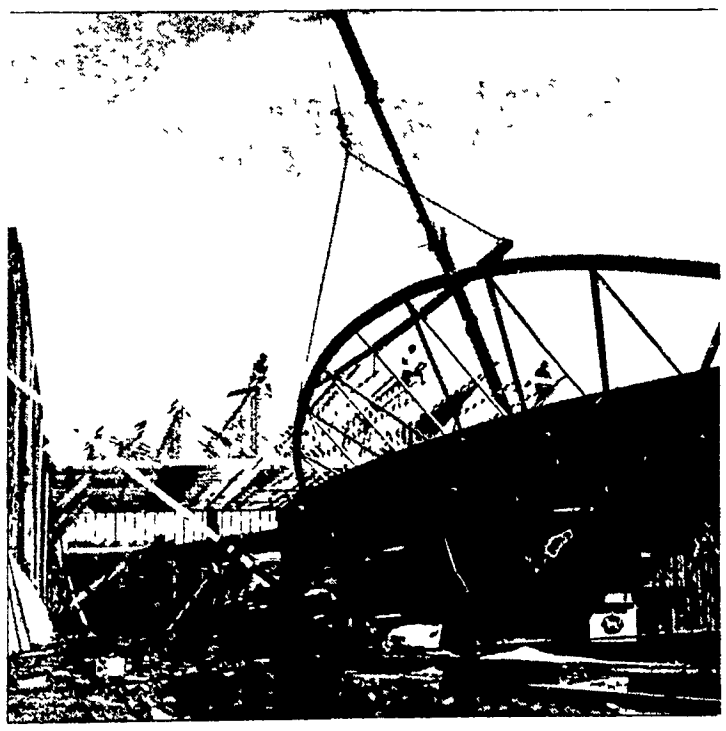

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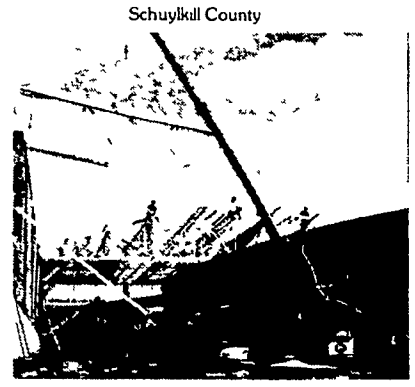

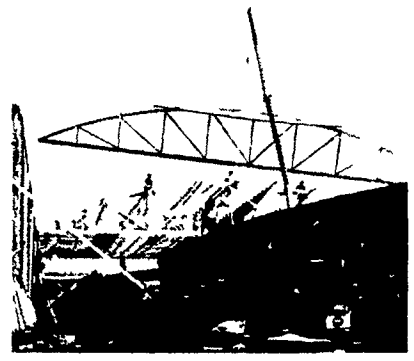

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Busy dairy farmer involved with the industry

By KENDACE BORRY

ROBESONIA – The farm is nestled in a Berks County valley past a hill near Robesonia. Signs of farming activity can be seen throughout the place as tractors, workers, and equipment seem to be moving endlessly trying to get all the work done.

This is the scene at the home of Donald Duncan, president of the Keystone Milk Marketing Council and a member of the Berks County Dairy Farmers Association. He also finds time to belong to Bernville Grange and the Berks County Farmers Association, plus be a director of the Berks County Conservation District.

He owns 130 acres and farms an additional 350. He grows mostly corn and alfalfa, plus a little wheat and barley. His dairy is filled with Reg. Holsteins and he is milking 80 head. His herd averages 15,400 lbs. milk and 618 lbs. milkfat.

Duncan raises all his calves using the heifers as replacements for his herd and having the bulls made into steers and fattened for beef. "Raising the bulls has become a big sideline," he related. "It sells almost as good as beef, and the demand is great, you almost can't keep up with it."

The man who has been involved with farming for 20 years was actually born in New York City, and raised in its suburbs. He would work in farms in the Summer as a youth and he always loved it.

"I loved horses," he stated, "but I realized I couldn't just farm with horses, so I became involved with dairy."

It was during World War II when the gas rationing was going on that he and his father rode their bikes down from New York, looking for a farm. They contacted several realtors and about a year and a half later found the farm that he still works today. He attended Penn State, majoring in agronomy, with minors in dairy and livestock.

Has farming changed much? "Drastically," was his comment. "Techniques and the machinery have made many changes. Even the techniques of harvesting milk has altered."

Facing dairy farmers today he finds the biggest issue being the marketing of the milk. "Marketing his products will tell whether any farmer is successful or not," he noted.

"I realize that a farmer can't do too much about marketing his milk," he added. "But there are some things he can do. Today there is only about a three or four per cent surplus of milk and that's not that big it couldn't be wiped out."

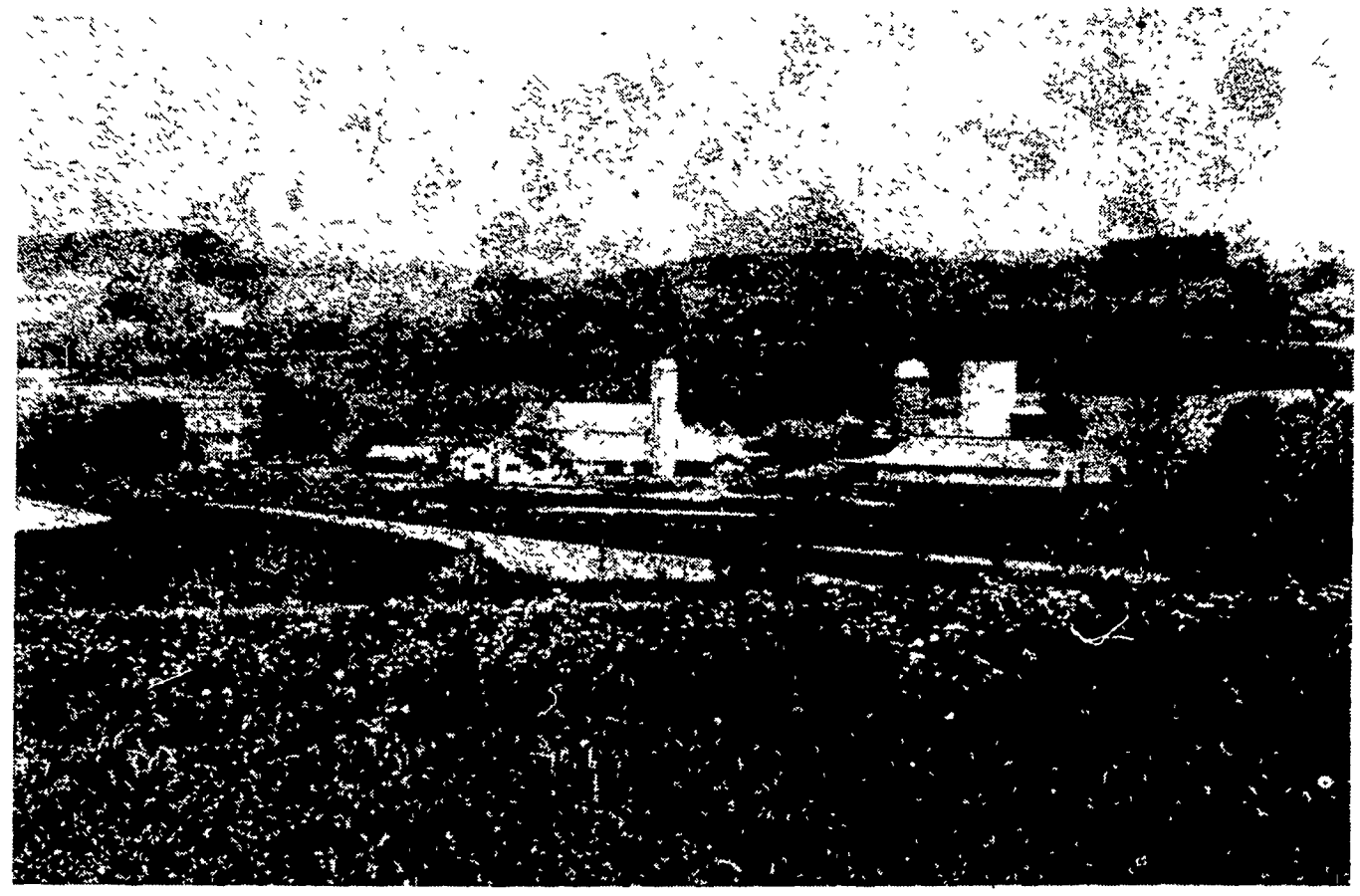
"Pa. Sec. of Agriculture Shelhamer has stated that if we had the milk consumption per capita now that we had in the 1950's, we would have a deficit of milk. The problem is there is less milk consumed, and a little more produced."

"What we must do is hold onto the sales we have now, not necessarilly increase. Because of the gain in the per capita population, we should be okay. But every dairy farmer should help promote milk."

"Then the problem is, how do you convince them to help? It's hard for them to see their investment in milk promotion. So many farmers feel, let the other guy do it, but that won't work. Milk promotion is up against the professionals in the beverage industry advertising.

"Last year $26 million was spent by the dairy industry in advertising," he related. "But $125 million was spent on beverage advertising by other industries."

One solution to the problem that Duncan saw dealt with the fact that today 50 per cent of meals in the U.S. are eaten out. The American Dairy Association is working with the fast food restaurants, trying to get a dairy product that can be gotten quickly. They just about have a machine and product perfected and it will go on the market soon.



In the calf barn, Donald Duncan checks on the progress of one of the younger members of the dairy herd. He raises his calves as either replacements for his cows or beef to be slaughtered.

Thinking of other problems in the dairy business, he related that he thinks it is sad that the co-ops are having such a bad time in the last few years.

"There is no particular reason why the co-ops are in financial trouble," he stated. "There are just problems. The price problem seems to relate to the farmer and the consumer. The U.S. Government feels that housewives should buy cheap food and if prices go up, it allows imports to come in, which makes the farmer suffer."

Then there are the problems of what Duncan calls "the bureaucratic red tape." "Whenever dairy farmers are trying to help themselves," he commented, "they are constantly being stopped by rules and regulations."

Concerning the future of the dairy farmers, he calls it "great". "I know I'm an optimist," he smiled, "but you have to be an optimist to be a farmer. I think there will be another few months of some pretty rough times, but that it will then get better."

"It's so expensive to get into farming that most of the new people that would come in, will be eliminated," he further stated. "Farming will remain a family business, but herds will get larger."

"Farming will never be a lucrative business. with the money rolling in," he observed. "But it has a lot of rewards and there are challenges to be met."

Those challenges are one reason he is in farming.

"I like farming, I always have," he remarked. "I guess I'm in it so deep for so long that I can't get out. I enjoy it so much that I say I'm on vacation everyday of the year. I think one of the biggest problems in the U.S. today is that workers aren't enjoying what they're doing, and therefore aren't producing. It's easier to complain."

He is helped on his farm by his son Donald, Jr. who is an eight grade student at Conrad Weiser.

"He's very interested in dairy farming, and a big help," Duncan said. "And I can think of no better place than a farm to raise a boy."

He also has two daughters, Lori, who just graduated from Cazenovia Junior College and plans to go on to East Stroudsburg College, and his oldest daughter, Barbara, who works for a veterinarian in Chester County, exercising steeplechasers for him.

His dairy operation is a big user of haylage, which he states it the basis of his feed.

"I'm very fussy," he explained. "The haylage is put in a conventional stave silo at 65 to 70 per cent moisture with a silo unloader auger that packs the silage down with every load and eliminates lots of air. It makes good haylage. It's blended with corn, corn silage, and soybean meal, plus premix according to a cow's production level. I divide my cows in two groups, the high and low."

"The less money you have to pay for feed, the better," he added. "This way my feed expenses are at rock bottom. And it works."

He also has a manure storage pit which is constructed out of manure and holds a three to four month supply. He noted that it was very economic because of being built from time and cost him around $3500 to build. The liquids are taken off with an elevator and the solids loaded up with a front end loader.

There is also a manure lagoon in the meadow, and all the drainage from the milking systems and drain water from the feedlots goes into this.

"It's paying close attention to the details, that makes a successful dairy farm," he firmly observed. "There are thousands of little details that must be managed. They guy who will be the most successful is the one that minds his details and timing."

dairy

Seen from the hillside, the Duncan farm nestles in the Berks County valley

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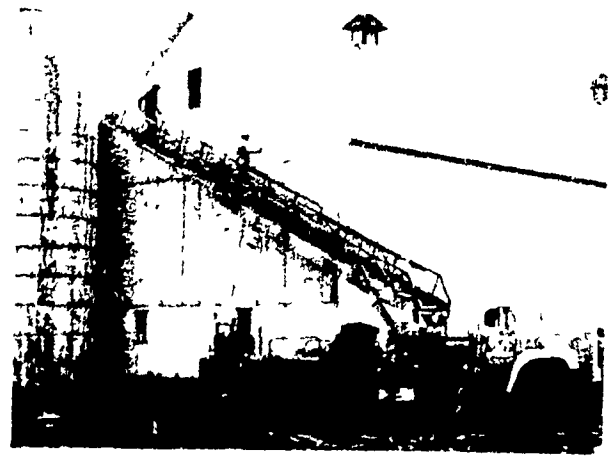

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Ten to vie for Lancaster Co. dairy princess

LANCASTER – Ten young supporters of the dairy industry will compete in the 1978 Lancaster County Dairy Princess contest scheduled June 17 at the Farm and Home Center. The pageant will be preceded by a reception on the patio at 6:30 p.m. and dinner at 7 p.m.

Sandra Schmuck

One of these 10 young women will be crowned by retiring dairy princess Twila Brubaker, daughter of Mr. and Mrs. Harold Brubaker, Manheim R2. The winner will be selected after a day which includes lunch with the judges and individual interviews. Master of Ceremonies for the event will be Grover C. Goucker, Jr., well-known speaker and local representative for the Dale Carnegie courses.

The following contestants will vie for the honor of representing Lancaster County in the Pennsylvania Dairy Princess contest in September: Joy Aungst, 16, is the daughter of Mr. and Mrs. Hiram Aungst, Elizabethtown R1. Joy will be a senior at Elizabethtown Area High School where she is a member of the Elizabethtown FFA, secretary of the junior class and a member of the National Honor Society. She is on the cross country team, the track and field team and was on the basketball team. She sings on the choir and is a member of the youth group at Word of Life Chapel, Bainbridge. Following graduation, Joy will study one year at Lancaster Bible College with plans to attend another college and go into farm-related work. The Aungsts milk about 50 Holsteins.

Sara Skiles

Joyce Stoltzfus

Debra Krantz

Kay Breneman, 17, will be a senior at Lancaster Mennonite High School. She is the daughter of Mr. and Mrs. Albert Breneman, Manheim R2. The Brenemans milk about 66 Holsteins. Kay is in the Mennonite Youth Fellowship at the Erisman Mennonite Church and was in the school chorus. She had been a 4-H member for about five years. She hopes to be a cosmotologist after graduation.

LuAnn Brenneman, 17, is the daugher of Mr. and Mrs. Elvin K. Brenneman, Mount Joy R1. She will be a senior at Donegal High School and hopes to attend college and law school. She is a member of the Mount Joy Mennonite Church where she is secretary of the youth group. In school, LuAnn is secretary of the junior class, president of student council, a member of the National Honor Society, band and a science fair winner. She is also a basketball statistician, and treasurer of the Lancaster Explorer Post of Law. In 4-H, she is a teen leader for a first year cooking project. The Brennemans milk 64 Holsteins.

Sandra J. Frey, 18, is the daughter of Mr. and Mrs. Mowery Frey, Jr., 401 Beaver Valley Pike, Willow Street. A 1977 graduate of Lancaster Mennonite High School, Sandra is employed in the credit department of Watt and Shand Department Store. She is currently in her 11th year as a member of the Lancaster County 4-H Holstein Club and is vice-president of the Lancaster County Junior Holstein Club. In high school, Sandra was a member of the FFA, the chorus and the track and hockey teams. Last Summer she participated in the Dutch Family Festival dramatic musicals. A member of the Willow Street Mennonite Church, she is program director for the youth group and sings in the chorus. She sang a solo in the Easter cantata and will be soloist in an upcoming church program.

Sandra Galbreath, Peach Bottom R1, is the daughter of Mr. and Mrs. Thomas C. Galbreath and will be a senior at Solanco High School. Seventeen-year-old Sandra is the yearbook business manager, a member of the chorus, chorale and band. She is lady assistant steward for the Fulton Grange and is a member of the Solanco Sing-Out group. Sandra teaches Sunday School at the Little Britain Prebyterian Church and is a member of the choir and the youth group. Following graduation she wants to attend college and major in elementary education. There are about 41 Holsteins in the Galbreath herd.

Suzanne K. Groff, Carmargo Road, Quarryville, is the daughter of Mr. and Mrs. Robert C. Groff who milks about 60 Holsteins. A 1975 graduate of Lampeter-Strasburg High School, Suzanne, 21, is employed by Armstrong Cork Company in their general office. Suzanne was a 4-H member for eight years and is a member of the Mechanics Grove Church of the Brethren.

Debra M. Krantz, 17, is the daughter of Mr. and Mrs. Willis Krantz, Quarryville R1. Following graduation from Solanco High School, Debra would like to study nursing at Lancaster General Hospital. In school, she is a member of the band, the stageband, chorus, student senate, National Honor Society and the field hockey team She is also editor of the newspaper, and participates in musicals. She is a member of a community 4-H club and is in the youth group and youth choir the Mechanic Grove Church of the Brethren. The Krantz family milks about 50 Holsteins.

Sandy Schmuck, 16, is the daughter of Dr. and Mrs. Larry A. Schmuck, Peach Bottom R2. She will be a senior at Red Lion Christian School and wants to become a florist after graduation. She plays softball at school and at church, and is a member of the youth group at Calvary Independent Church at Mechanic Grove. She also teaches junior church and is a member of 4-H and FFA. The Schmuck herd consists of nine Ayrshire, Jerseys and Brown Swiss cows.

Sara E. Skiles, 16, is the daughter of Mr. and Mrs. Kenneth A. Skiles, Narvon, R2. She will be a senior at Pequea Valley High School and would like to major in sociology in college. She is a member of the chorus, Chambersingers, National Honor Society, and plays field hockey at school. At Parkesburg Baptist church Sara is secretary of the youth group and sings in the church choir. She sings with a gospel singing group, is on the Lancaster Library planning committee and the Middle States School evaluation. She owns three cows in the family herd of Holsteins.

Joyce L. Stoltzfus, Gap R2, is the daughter of Mr. and Mrs. Nathan E. Stoltzfus. Seventeen-year-old Joyce will attend Hesston College in Kansas, majoring in child care or social work following her graduation from Lancaster Mennonite High School. She is a member of the Sandy Hill Mennonite Church where she is secretary of the youth fellowship and serves on several church committees. Joyce is secretary of the Lancaster County 4-H Holstein club and is a member of the board of directors of the Lancaster County Junior Holstein Club. She is secretary of the Future Agriculturists of America Club at school and is a member of the Mennonite Historical Association where she serves on the youth committee. Joyce owns five cows in the family's Holstein herd.

All contestants participated in a dairy promotion at Park City Mall last week, where they had the opportunity to meet the public and distribute milk samples.

Tickets for the pageant are $6 and are available from committee chairmen, Mr. and Mrs. Charles H. Rohrer, Paradise R1 (Phone 687-6940), the Agriculture Extension office at the Farm and Home Center or other committee members.

Livestock Marketing Association files formal statement opposing Packer and Stockyard Act rate

KANSAS CITY, Mo. – Calling it "premature, presumptuous and capricious," Livestock Marketing Association (LMA) has formally opposed a recent proposal by the U.S. Department of Agriculture that would tighten government control over livestock marketing businesses.

The trade group filed a written statement with USDA on the proposal, which includes a provision that would force marketing businesses to charge for their services solely on a per-head basis.

LMA's opposition to the proposal is part of its overall campaign to bring more freedom to livestock marketing. The drive includes the Freedom in Livestock Marketing Act (S. 2275) which calls for a thorough reform and modernization of the laws governing the marketing sector

LMA said the proposal ignores the fact that a large number of marketing businesses currently use a percentage or value-based tariff which the Department "has heretofore repeatedly accepted without question"

The statement points out "defects which are fatal to the administration of the proposal and constitute an arbitrary approach to an issue that is vital to the entire livestock industry." The statement also:

...Questions who will determine, and what will be the criteria used in determining a "valid complaint" about a marketing business' rates and charges. Under the proposal, USDA's Packers & Stockyards branch can investigate a marketing businesses' tariff if there is a "valid complaint" from the public.

...Is critical of the proposal's requirements that a marketing business must, by letter to its customers or published notice, invite public comments when it wants to change its tariff. "Should business custom, practice and usage throughout the years of competitive livestock marketing in the livestock economy be buried and discredited by this procedure?" the statement says.

...Asks what standards will govern the P&S' right, under the proposal, to analyze and accept or reject a tariff change.

...Asks what safeguards are in the proposal "against the arbitrary tactics in prescribing rates and charges which have been employed by the Agency charged with administration of these provisions over the past three years."

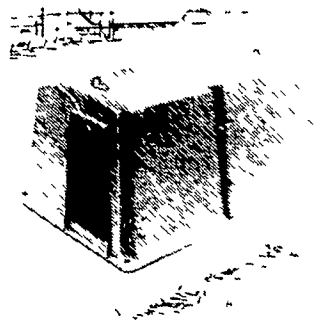
...Asks why "the vast amount of information" that came from the P&S' public hearings on its rate setting procedures has been disregarded.

The statement notes that the proposal "is contrary to the preponderance of views expressed" at the seven-city hearings held earlier this year. The proposal "in fact tightens arbitrary regulatory authority over all rates and charges for marketing services," the statement goes on to say.

Additional costs and burdens on the livestock industry "which will depress the prices of livestock being sold" would be imposed by the proposal, the statement says.

The statement also notes that the Association's Board of Directors passed a resolution in January calling for deregulation of marketing rates and charges. The Board in April also passed a resolution opposing the P&S proposal on many of the same grounds contained in the statement filed with USDA.

WHAT'S NEW



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The new Fiberdome one piece calfhutch is constructed of heavy gauge fiberglass. It is manufactured with a weatherproof impregnated white finish. Others colors are available upon request.

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For Sale - Cub Lowboy with 60" mower, 5 ft. Mott mower. 717-768-8820 between 8 A.M. - 5 P.M.

For Sale - JD hay crimper, 282 NH hay baler, wire tie, hay fluffer, 26 ft. bale elevator, portable type. 717-273-6018.

For Sale - Rebuilt VP4 Wisconsin engine with clutch and reduction gear; rebuilt 2 cylinder baler engine. Leroy Esh, Ronks RD 1, 717-768-3681.

Grain cleaner - scower & chute; grain treater; 1 ton feed mixer; grain shaker & cleaner. 215-273-3776.

For Sale - Crop sprayer, 55 Dodge power wagon, 500 gal. fiberglass tank, 10 gal. Bean pump, 100 gal. fill pump all hydraulic operated, John Blue stainless steel booms all good condition. $1495. Harold B. Zook, 220 Lampeter Rd., Lancaster, Pa. 17602. 717-394-5412.

FARM EQUIPMENT

Wanted - Used 5 ton feed bin with discharge auger. 717-536-3241.

For Sale - 20 x 30 Harvestore, $6000. Ph: 717-536-3241.

For Sale - McCormick hay baler; 4 bottom JD plow; Massey Harris tractor #444 diesel; IH hay rake; 4-row corn planter; 6 packs of baling twine, 2 in a pack. William Ostermayer, 717-469-2582.

For Sale - MF 410 1973 diesel combine; a.c., 4-row narrow cornhead; 13' grain header; robot; quick-tach; straw chopper. MF 410 1968 gas combine; 4-row narrow cornhead; 13' grain header; straw chopper. Raynham Farms, Hopewell, NJ, 609-466-1635 or 609-737-9319.

For Sale - 315 Int. combine, 13' grain table & 2-row corn head, excellent condition. 215-488-6156.

For Sale - #125 JD chuck wagon, like new. 717-665-5560 or 653-5647.

FARM EQUIPMENT

For Sale - 273 NH baler, excellent condition, selling because stopped baling hay. $2850, 717-529-6315.

For Sale - Farmall M, good condition $960. NI #7 corn picker $320. Ph. 717-862-3665.

For Sale - Oliver 88 gas tractor with hydraulics, also has belt pulley, good working condition, asking $1100. Ph. 717-933-8713.

For Sale - John Deere 4020 diesel tractor, wide front w/cab, late model. $9800. 301-658-4911.

For Sale - NH 451 mower, NH 56 rake, NH 27 blower, already to go. 717-786-2839.

For Sale - JD 24T wire tie baler, good condition, ready to work. 717-494-1626.

Having sold my farm I have for sale - Int. 806 diesel tractor, fully equipped including 3 pt. hitch, 2 valve hydraulic, w.f., this tractor has original paint, like new, excellent condition. 717-494-1626.

For Sale - 1206 Int. diesel with cab, 706 gas with dual wheels, Case 6 bottom plow with on land hitch. 717-538-9459.

FARM EQUIPMENT

For Sale - Oliver 770 diesel, PS, double hydraulics, price $1500. Ph. 717-527-4469.

Model 200 Fox harvester, 1000 rpm PTO, electric knife grinder, hyd. snout turner, 2-row corn head, 34" rows & up; original knives still in; paint like new; excellent condition. Ph. 717-866-5692.

For Sale - Hesston model 500 12' mower conditioner, self-propelled, $1900; Oliver 20' wheel type harrow, $900. Ph. 215-942-2591.

For Sale - 38' Little Giant elevator with drag attached. Ph. 717-232-8754.

For Sale - JD A with electric start and hyd. $750, Int. 7 ft. offset disc harrow, all good discs $150, complete piston, ring and sleeve set for Farmall Super M $125, complete set for Farmall H $95, both sets never been out of box. 215-562-4220 after 8 P.M.

For Sale - 6 to 8 top wagon gears with tires $195, NI hay rake, 4 bar on steel, excellent condition $200, manure carrier tub $25 will deliver, 380 ft. of 3/8" galvanized water pipe, had been used for 2 yrs. to run water out to chickens in the field, $70 will deliver. Earl Heist, RD 1, Norristown, PA 19401. 215-584-6667.

For Sale - Mobile feed mill by Feedmobile mounted on 1971 1750 Int. AGWAY, INC., Clinton, NJ 201-735-5611.

For Sale - Oliver 1855 cab with air, 1500 hrs. $12,500. 301-876-2463.

For Sale - 9' #91 McCormick self-propelled combine and a Super M-TA. Both in good condition. Ph. 717-687-7120, no calls Fri., Sat., or Sun.

Twenty ton hydraulic press 600 lb. hydraulic hoist, both new and must sell. 717-784-7490.

For Sale - New Holland No. 69 power take off baler, good condition. 717-637-5075.

1 Int. 2 PR pull type corn picker, picked about 400 acres, ex. cond. $2500.00. Ph. 301-754-9144, Joe Holecheck, Federalsburg, Md

FARM EQUIPMENT

For Sale - Hesston stakhand 10 and stack mover. 717-788-1773 eves.

For Sale - JD 14T hay baler, excellent condition, self contained with motor. H.E. Dawson, 301-472-4370 between 6-8 P.M.

For Sale - JD trail type plow, 3 or 4 bottom, 14" high speed, excellent condition, spring trip bottoms with cylinder lift, best offer. 301-877-7064.

For Sale - IH 4 row corn planter, IH 2 row corn planter, fast hitch 2 row corn planter, AC rear mounted snap coupler cultivator, Woods 80 pull type rotary mower. 215-679-9010.

For Sale - 10 ft. MH Super 26 SP combine, good condition $800 or best offer. Fred H. Beachley, 1528B Mt. Church Rd., Middletown, MD 21769. Ph: 301-371-6304.

For Sale - NI 1-row tobacco planter with 100 gal. tank, Aaron E. Fisher, Rt. 2, Paradise, PA.

For Sale - JD A starter, lights and power trol $700. JD 2-14" plow on rubber, mechanical lift $100. 215-285-6295 after 4 p.m.

For Sale - IH 2 pt. fast hitch heavy duty 263A 2 row cultivator with shields and depth control $295. 215-445-4893 after 4:30.

Wanted - Good condition Farm Fan dryer Model AB8B-1-230-LP-LS or equivalent. Write or Phone Werner Farm, Tivoli, N.Y. 12583, 518-537-4157.

For Sale - JD #40 manure spreader with single back beater without slop gate, only 9 loads hauled, sold dairy - do not need. 301-778-0368.

EQUIPMENT FOR SALE AT 215-489-6405. Brillion Field Harrow, 18 ft., folds to 10 ft.; 6 bottom plow, 16" with auto. reset; 12 volt electric gas pump with spare motor.

Wanted - AC D17 diesel series IV 215-536-9672 after 7 p.m.

For Sale - AC WD 45 diesel WFE & PS with an AC 400 hydraulic loader. Excellent condition. 215-536-9672 after 7 p.m.

For Sale - Gehl forage wagon model BU810. Ph. 201-329-2765 after 5 P.M.

For Sale - Good PTO McCormick corn binder; Wisc. engine, real good, VE4. Jonas K. Esh, RD 2, Peach Lane, Ronks, Pa. 17572.

For Sale - NI 702 with 760 forage harvester and corn & grass heads; MF 65 with multipower. Ph. 717-437-2430.

For Sale - Ford Jubilee tractor with Sherman transmission, extra nice, Oliver radex plow, trip back, 2x14" 3 pt. hitch, 6 ft. grader blade, 3 pt. hitch. 717-225-1829 eves. or Sat.

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For Sale - New five wheel hay rake, $675. Wanted - Used block for Farmall C. Ph. 717-354-9462.

For Sale - Int. 2000 loader, wide bucket, excellent condition $1000 firm. 717-382-4624.

HAYBINES - John Deere 800 and (5) New Holland 469 haybines. SHEETS BROS. 717-632-3660.

For Sale - JD 4020 diesel tractor with 5 bottom JD plow. 215-258-7146.

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For Sale - MF 510 diesel combine, new engine, good shape, new paint and tires, cab, grain saver, 14 ft. grain table and 4 row 30" corn head. Dane Snyder, Box 37A, Leck Kill, Pa. 17836. 717-648-0027.

For Sale - Good used 24 ft. Smoker elevator. Jonas R. Beiler, RD 2, New Holland, Pa. 17557. Along New Holland Rd.

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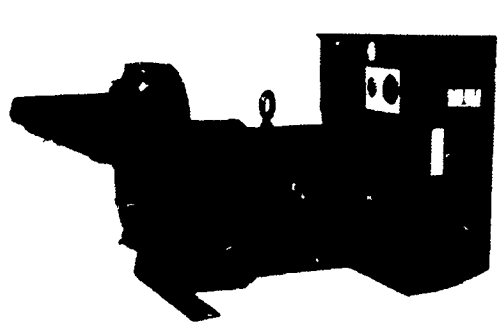

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For Sale - AC Gleaner L combine, 15 ft. grain head, 6 row corn head, hydrostatic transmission, air conditioned cab, turbo charged diesel engine, 130 hp., 88 gal. fuel tank, 180 bu. grain bin, 23.1x34 10 ply tires, 12 ft.x12" hydraulic folded unloader tube, used to combine 600 acres, List $61,000, Sale $30,000. Carroll Anderson, Winterstown, Pa. 717-244-1124.

For Sale - New Spring Harrows. Amos N. Stoltzfus, Rt. 2 Box 218, Nottingham, Pa. At Little Britain.

For Sale - JD 1460 Zero till 6 row corn planter, #80 planter units with monitor and fill cross auger $5600, Brady 12 ft. chisel plow $1400. 215-867-0064.

For Sale - John Deere tractor 2510, 500 hrs., mint condition, mounted with New Holland side mower. Firm $6200. Call Hanover 632-1180.

For Sale - 2 row snapper head for 890 harvester, narrow row, used 3 acres $2500, Int. 12 ft. cultimulcher $1100, 1700 skid steer loader Owatonna $5000. 717-898-2886.

For Sale - NI 752 (orange shield) crusher, NH 55 roller bar hayrake, Nicholson hay tedder. 717-687-6553.

For Sale - JD 47 loader, $600; JD 820 diesel tractor, $3500. Ph. 717-733-0518.

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For Sale - One Oliver pull type plow, 16", $350; one JD pull type plow, 16", $250; one offset transport disc, 20", $450. Ph. 301-833-1847.

For Sale - MF Super 35 combine with cab, 2 row corn head and 8' grain head $4000; Farmall M $1200; MH self propelled clipper combine with bin $350; JD 4-14" trip back bottom trailer plow with mechanical lift $350; MF 26 grain drill, 13 hoe $300; Oliver 18' disc 10' base with 18" blades $1500. 717-463-2280 eves.

For Sale - Baler, NH model 69, good working condition, $850; electric hay conveyor, 25' length, $125. Ph. 201-496-4953 after 5 p.m.

For Sale - NI 71 combine with 11 grain head platform 723 2 row corn head. C.W. Engel, Bleak Hill Farm, Hanover, Va. 23069. 804-994-2353.

For Sale - Case threshing machine with automatic feeder. 717-334-8664.

For Sale - NI cut/ditioner; N.I. manure loader; IHC fast hitch 2-row corn planter with cultivators; 7 ft. sickle bar and 3 bottom plow; NI #7 corn picker; MF 3-16 hookup plow; gravity bin wagons; JD model N PTO spreader. 215-562-4464.

For Sale - AC Gleaner CII combine, 14 ft. grain head with 6 row corn head $8500, Int. 6 row corn and bean planter $750, 2 row Holland transplanter $150, NH 404 hay conditioner $120. 609-267-5858.

For Sale - Ford 8600, 209 hrs.; Ford 6-row corn planter; Ford winged disc harrow; 5 bottom plow & Bush Hog. Everything like new, $25,000. Ph. 216-332-5537 after 7 P.M.

For Sale - Two (2) Badger Silo Unloaders. 24" fan; 7½ h.p. motor. One used three (3) years, one used nine (9) years. Ph. 215-932-8599.

For Sale - NH 66 baler with Wisconsin engine. Edwin Merryman. 301-378-3442.

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For Sale - Int 91 combine, 10 ft. grain head and 2 row wide corn head $2000. 717-292-4416.

For Sale - Farmall C with cultivators, recently overhauled, good condition, good rubber. 717-872-5667.

For Sale - Like new MF model 32 1975, front end bucket, 5/8 cubic yard cap. (doesn't include tractor) 200 lb. lift cap clearance of bucket dump 8'3" only $1195. Also includes manure bucket. 717-644-0477, 9-4; 717-648-1008 after 5.

For Sale - JD 4230 tractor, 18.4x34 tires, dual outlets & ROPS; JD 2030 tractor with #48 loader & ROPS; JD #38 chopper with 2-row narrow head & pickup head; two JD #216 forage wagons; NH #1469 haybine; NI 1500 gal. liquid manure spreader. Ph. 215-345-7370 or 215-822-3910 after 6 P.M.

For Sale - Gehl PTO blower, FB 88 short hopper, Gehl forage wagon, 9 ton running gear, NH 8 crop carrier wagon, 3 beaters with roof, 10 ton gear, excellent condition, Gehl 84 field chopper, 3 heads, good condition. 717-862-3826.

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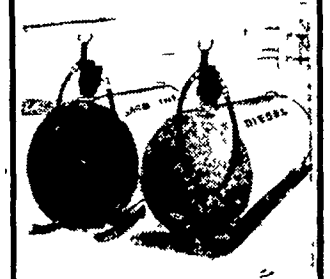

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AC M-2 w/heads
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USED COMBINES
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AC E combine w/heads
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AC 5 bottom spring trip plow
AC 904 mower conditioner
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Ford 801 Diesel
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MF 30
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Oliver 660 Gas w/hydro
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IH 606	JD A
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New Wagon Gears
New Rotary Cutters

SAYLER'S FARM SERVICE
Garrett, PA 15542
814-634-5034

WISCONSIN HEAVY DUTY ENGINES

SPECIAL SALE
Wisconsin Engines
Up to 40% Discount
Thru May

BKND 7 hp.	$295
w/clutch	$525
S8D 8 hp.	$295
S10D 10 hp.	$335
S12D 12 hp.	$360
S14D 14 hp.	$375
AENLD 9 hp.	$370
w/clutch-reduction	$715
TJD 18 hp.	$695
w/clutch and starter	$1045
w/clutch-reduction	$1085
VH4D 30 hp.	$950
w/clutch	$1195
w/clutch-reduction	$1350
VG4D 37 hp.	$1275
V465D 65 hp.	$1550
w/clutch	$2095
w/clutch-reduction	$2385
Wisconsin-Robin EY18-3W 4.6 hp.	$169
EY25W 6.5 hp.	$185
Kirloskar 43 hp. diesel	$1975
Ford 192 gas power unit.	$2295
Ford 192 diesel power unit.	$2995

USED
A-C D14 power
Ford 172 power units

All above listed engines in stock. Engines not listed can be built to your specifications.
Complete rebuilding Engines, Magnetos, Carburetors & Clutches.
Large Parts Inventory
We Ship U.P S

FISHER ENGINE SERVICE

3141 Old Phila. Pike
Bird-in-Hand, PA 17505
717-768-3729

FARM EQUIPMENT

USED EQUIPMENT

J.D. A Tractor
J.D. G Tractor
J.D. 4020 D, PS w/WFE
Case 830 Diesel
Ford 5000 D w/ind. loader
Ford 4000 Gas w/loader
Fox Chopper w/3-row head
M.F. 410 Diesel Combine w/grain head
J.D. 14T & 24T Balers
Hesston 56 Round Baler
Hesston 10' Mower Conditioner
Hesston 310 SP Mower Conditioner
N.H. SP Mower Conditioner
J.D. 1640 Disk 12'6"
J.D. 15' Roller Harrow

USED CORN PLANTERS

J.D. 7000 4 row wide 1 year old

J.D. 2 row
J.D. 494A 4 row
J.D. 1250 6 row Plateless
J.D. 6 row No-Til w/51 units
I.H. 4 row Plate Type
I.H. 6 row Air Planter

WENGER IMPLEMENT, INC.
The Buck, PA
717-284-4141

IH

USED EQUIPMENT

TRACTORS:
F 1026 Hydro
F-230
F-340
F 656D Hydro
Farmall 300
Oliver 1650

TILLAGE:
IH 9A Disk
IH 540 Plow
IH 311 3F 2 pt
IH 700 5F Auto
IH 209 Plow
JD 5F 16" Plow.
JD 2F Plow
JD Offset Disc Harrow

PLANTING & SEEDING:
IH 400 4-row Planter
JD 1250 Planter
MF 4 Row Planter
IH 4 Row Cult , 3 pt
IH M 13x7 Drill
IH 10 Drill
JD 17x7 Drill
Ontario 16x7 Drill

HARVESTING EQUIPMENT:
IH 46 Baler
IH 56T Baler
IH 430T Baler w/thrower
IH 234 Corn Harvester
IH 82 Combine
IH 2MH Picker
IH 2MHD Picker
IH 815 Combine with 14' Head
IH 744 Cornhead
IH 50, 350 & 550 Forage Harvesters
Farmhand For Wagon
AC 780 For Harv
Papec 180 F H with 2 Heads
NH 717 Forage Harv
Fox 546 Forage Harv
Gehl F84 Forage Harv
IH 1290 Mower Cond
IH 115 Side Mtd Mower
IH 42 Blower
JD 18 Cornpicker

MATERIAL HANDLING:
IH 1150 Grinder Mixer
IH 580 Spreader
IH 570 Spreader
IH 275 Spreader

SWOPE & BASHORE, INC.

Frystown RD 1
Myerstown, PA 17[illegible]
717 933-41[illegible]

FARM EQUIPMENT

PATZ SALES & SERVICE

SEE US FOR

- Barn Cleaners
- Silo Unloaders
- Tank Spreaders
- Conveyors and Feeders

LANDIS & ESBENSHADE
RD #2, Box 283
Quarryville, Pa.
Call Jim at
786-4158

FARM EQUIPMENT

The proof is in the wood

Unadilla Silos
Going strong for more than 70 years

UNADILLA SILO SALES & SERVICE

- Silos for High Moisture Corn
- Silage Spreaders
- Permanent Blower Pipe
- Goose Neck Repair Liners
- Plastic Silo Chute Liners
- Forge Funnel Chute System
- Silo Roofing

Write
DANIEL S. STOLTZFUS
Narvon RD#2, Pa. 17555
Ph: 717-354-4374

N & M SILOS

The company from Perry County who manufacture & build their own silos, using the best in materials & experienced crew. To satisfy customers plus insures quality built silos. (Staves are wet cast & vibrated concrete).

SALES & SERVICE FOR
P & D UNLOADERS & EQUIPMENT

NEGLEY & MILLER SILOS
Plant: Rt. 1, Box 93,
Shermans Dale, PA 17090
Ph: 717-582-4108
Sales: Rose Pollock
Home Ph: 717-834-4838

SPECIAL PRICES ON NEW AC 4 & 6 ROW AIR CHAMP PLANTERS – SAVINGS UP TO $1000 PER PLANTER! SPECIAL DISCOUNTS ON AC 16' FIELD CULTIVATORS.

TRACTORS
AC 7050 Diesel
AC 190XT Diesel
AC 190 Diesel
AC D-19
AC D-17
AC WD 45
AC WD
AC CA w/attachments
JD 3020 Gas
JD 430
JD 420
JD G
JD A
Farmall 656 Diesel
Farmall 460 Diesel
Farmall 340
Farmall M
IH Cub Lo-Boy 154 w/60" mower, like new
IH Cub w/60" mower
Oliver 1950-T Diesel, 2300 hrs
Oliver 1855, 1490 hrs
Oliver 770
(2) Oliver 88
(2) Oliver 77
Oliver Super 77 Diesel
MF 175 Diesel, like new

TRACTORS (con't)
MF 50
MF 35 w/loader
Ford 900
Ford 4000
Ford 6000 Diesel

COMBINES
AC Gleaner F w/grain & corn heads, only 5 years old
AC Gleaner CII w/grain & corn heads
JD 45 w/grain & corn heads
JD 45 w/grain & corn heads, 1968
Farmall 205 w/12' grain & 2-row corn heads
Farmall 101 w/grain head
NH 975 w/grain & corn heads

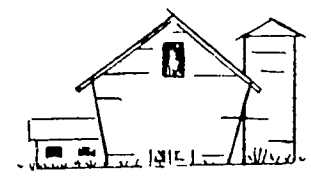
TILLAGE TOOLS
AC 15' Trans Disc
AC 13' Trans Disc
JD 13' Trans Disc
Dunham 12' Mulcher
Kewanee 10' Mulcher

C. J. Wonsidler Bros.
ALLIS-CHALMERS SALES & SERVICE
Trumbauersville to Finland Rd.,
Quakertown, PA
CALL (215) 536-7523, 536-1935
or 767-7611 (New Tripoli)

FARM EQUIPMENT

STANLEY A. KLOPP, INC.

BERNVILLE, PA. PHONE: (215) 488-1510
Sales and Service — Since 1925



FARM EQUIPMENT
- JOHN DEERE
- NEW IDEA
- JAMESWAY
- NEW HOLLAND
- BRILLION
- DeLAVAL

LAWN & GARDEN EQUIPMENT
- JOHN DEERE
- ARIENS
- LAWN BOY

TO CUSTOMERS IN OUR TRADE AREA: CHECK OUR NEW EQUIPMENT SPECIALS CHECK OUR NEW TRACTOR SPECIALS

JD 4630 tractor w/cab & air, PS, 20 8-38 tires, 3 remote hydraulic functions & quick hitch, $25,250

USED EQUIPMENT

JD 214T baler w/thrower
JD 1240 planter
JD disc harrow
Brillion pulverizer
JD 16A rotary chopper
NI 202 Spreader
JD FBB 17x7 Drill
Massey Harris 44 Tractor w/mtd. NI picker

NEW EQUIPMENT

Full Line of Ford Tractors
Kubota Tractors
IH Lawn and Garden Tractors
McCulloch Chain Saws and Generators
General Engine Trailers
Athens Chisel Plows
Gehl Roll Baler
2 & 4 row Ford Corn Planter
Model 354 Ford Air Planter
Lely floating tine Roterra
New 20 ft. boom, 6 row Century trailer sprayer, 300 gal. poly tank, roller pump, $1300 value - SALE $750

USED EQUIPMENT

(2) 2 bottom Plows
(4) 3 bottom Plows
4 bottom Ford Reset Trip Plow $1995
5 bottom Ford Reset Trip Plow $2595
5 bottom Ford On Land Hitch Reset Plow $2495
Model 230 Heavy Duty Disc Harrow $2250
Demonstrator Ford 6700 Tractors with new tractor warranty $11,900
800 Ford, 8 speed transmission $9950
8N Ford
9N Ford
2 Farmall Cubs
Cub Cultivators
10 used Garden Tractors from 6-16 hp
JD 6 Flail Mower w/hood
Int 340 Tractor, tricycle front end, excellent shape

STRALEY FARM SUPPLY, INC.
1760 East Canal Road, Dover, PA 17315
717-292-2631 or 717-292-4443

USED EQUIPMENT

AVAILABLE THIS WEEK ... BRAND NEW 1586 IH TRACTOR w/cab and air, 20" tires, PTO $24,750.00 SOLD
IH 403 Combine with grain and corn head, extra nice
IH 615 Combine
Gleaner K Combine
White 6-row 5400 Planter w/dry fe SOLD
IHC 658 6-row Planter
JD 6-row 1250 Plateless Planter
(2) New IH 574 Row Crop Diesel Tractors $9,300 each
Brand New 1070 Case w/cab and air $17,000.
New 1086 Tractor w/cab and air $21,000.
IH 856 Diesel
Farmall 560
Farmall 544 Gas Tractor
IH 1466 Tractors w/cab and dual PTO's from $12,600 to $13,900.
IHC 966 Tractor $10,500.
Case 930 Tractor, standard tread w/side belt pulley $3,300
JD 110 Transport Disc 14' wide, like new
JD #707 4-row Rotary Stalk Chopper $95 SOLD
IH 6B 16" Plow, reg. trip
JD 5B 16" Plow, reg. trip

RAYMOND B. LEAMAN
Willow Street RD 1, PH: Lancaster 464-2778
Midway between Lancaster & Quarryville
off Rt 222 take Brenneman Road
at Graybill Bros Garage, Refton

FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
JD 4020D, 60
IH F460G, F350G, H, M
AC 170G w/loader

COMBINES
Oliver 545 w/grain platform
AC G w/grain platform
JD 30

BALERS
IH 46T, 56W
IH 47T w/thrower
JD 214T
NH 68 w/thrower

HAYBINES
NH 469
IH 990
AC 390

NEW EQUIPMENT

Long 1199A Backhoe, 3 pt hitch

TRACTORS
JD 2040, 2240, 2840, 4240
Long 560 with loader

SPREADERS
JD 34, 40, 660, 680
NH 513, 519, 791

BALERS
JD 336T, 346W

FORAGE EQUIPMENT
JD 3800, 35 harvesters
JD 16A rotary chopper
NH 770, 718 harvesters
NH 25, 28 blowers
H&H bale bodies

LOADERS
JD 143, 146

HAYBINES
NH 479, 488
JD 1209

COMBINES
JD 7700 Turbo

WAGONS
JD 965, 1065A, 1075
NH 14, 230
JD 714, 716
NH 8
JD 200 stack wagon

FREE FINANCING ON SOME ITEMS

I. G. SALES
Silverdale, PA 18962 215-257-5135

JOHN DEERE

SPERRY NEW HOLLAND DeLAVAL JAMESWAY Quonset Buildings

AGRICULTURAL INDUSTRIAL EQUIPMENT CO.

NEW IDEA FARM EQUIPMENT
SPERRY NEW HOLLAND
Brillion
CrustBuster Tillage
ALLIS CHALMERS

NEW HOLLAND Interest Free on Hay till 6/1/78 on Forage till 9/1/78 on Spreader till 7/1/78

A.C 20 H.P. DIESEL TRACTORS IN STOCK Ready For Delivery

CHECK OUR 40-50 HP DIESEL TRACTOR DEALS

TRACTORS
Farmall B
Farmall 544 Gas, nice
Ford 800 Gas
Ford 2000 w/loader
David Brown 990
David Brown 885 Gas, 1975, good cond
AC 7050 312 hrs, ex Cond
AC 210 Diesel w/cab
AC 200 w/cab and air, 1975
(2) AC D17 Gas, good cond
AC B w/attachments
(2) AC C w/attachments
MF 50
Ferguson 30

MISC EQUIPMENT
NH #6 Crop Carrier
MF 12 Baler
MF Model 10 Baler
AC 303 Baler w/thrower
NH 78 Baler
NH 310 Baler (Demo)
(2) NH 850 Round Balers
Ford (SOLD) er
Hesston Round Baler ex
Case 55((SOLD) Cond
AC 904 Mower Conditioner
NI 270 Cut/ditioner
AC No Till 4 row Planter
1974 JD 4400 SP Combine cab & AC 13' head, PU reel
NI Uni System 710 Combine 13' head, good
Gleaner CII w/cab 14 grain hd & 4 30" corn hd good cond
AC G Combine, Dsl, cab, air, hydro, 6 row narrow, ex cond
Case 1665 Combine, 14' head, 4-40 corn head, all good cond
(2)(1) NH Super 717 w/3 Heads
1976 MF 260 Forage Harvester w/2-RN, WPU, 2 RN ground ear corn
NH 770 Forage Harvester
Fox 546 Forage Harvester
(1) NH 880 pull type, 2R & WPU
(1)(2) Lilliston 7'6" PT Rotary Mower
(2) NH 451 Mowers, like new
Woods C80 Mower, used
NH 1469 SP Haybine
NH 495 Haybine 12', ex
NH 479 Haybine
Hesston 500 Haybine
(5) Used Blowers
(3) Skid Steer Loaders - Case 1737, NH 225 like new, Case 1740
New Idea 310 Picker
IHC Corn Picker 2R wide
(1) NI 1R Pickers, ex cond
Brady 4 row Stalk Shredder
(10) Used Garden Tractors, all makes & H P
(3) Used Discs 10', 12' & 13'
Hesston 1014 Hydro Swing
JD Grain Drill
(3) JD 16A Flail Choppers
(10) All Sizes Used Spreaders
NI 217 Spreader
(1) NH T330 Trencher (40% off)
6 Ton Tag Along Trailer

NEW TRACTORS
All H P Available

NEW EQUIPMENT IN STOCK
All Sizes Woods Mowers
(1)(2) Brillion Chisel Plows
Brillion Transport Harrows 12 to 20'
(2)(3) NH Skid Steer Loaders
(10)(6) NH Haybines in stock 9 ft 12 ft SP
(3)(6) NH Choppers
(3)(4) NH Round Balers
NH Spreaders, box & tank
NI Cut/Ditioner 7 & 9 ft
NI Spreaders, all sizes
Crust Buster Heavy Offset Disk, in stock
Crust Buster Grain Drills

Sales Call Ed Greenleaf
Sales Call Phil Hite Sales: Call Chuck Huester
Service Call Milt Whiteside
Rt. 273 Rising Sun, Md.
301-658-5568 301-398-6132
Immediate Financing
Hours Mon thru Fri 8 to 8 Sat 8 to 4
CLOSED SUNDAY

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

FORRESTER BROS. FARMS

1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
We Service What We Sell.

JD 4320
3 JD 4020, 1 cab
3 JD 3120, 3 cabs
2 JD 2120
2 JD 2020
JD 710
JD 60
Ford 9000
Ford 8600
3 Ford 8000
Ford 7000 cab
Ford 6700
5 Ford 5000
Ford 5000 4 wheel drive, roadless, 75
3 Ford 4000
Ford 4000 row crop 63
Ford 2000
Ford 600
Int Farmall 966, cab
Int. Farmall 656 (SOLD)
Int 574, cab
Int. 454, cab

These are top quality used tractors.

The Time Is Right . . The Price Is Right!!

This Week's New Equipment Special...

★ **MODEL 131 M-37SB FORD 7' 3 BAR FRAME CHISEL PLOW**

With 3 pt. Hitch, 7 Spring Mtd. Standard Shanks with 2" x 5/8 x 15" Reversible Shovels...

Subject To Inventory In Stock

$835.00

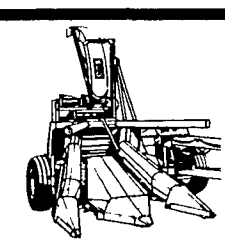
WHATEVER YOUR EQUIPMENT NEEDS, STOP IN OR CALL . . .

Sales & Service On:
• Ford • New Idea • New Holland

WALTER G. COALE, INC.

2849-53 Churchville Rd.
Churchville, Maryland
Ph: (301) 734-7722 or (301) 879-1434

NEW GEHL HAYLAGE SPECIALS



F.O.B. OUR STORE
Last years inventory at last years prices

1 CB800 and 800 pickup
1 CB800 with hydraulic sharpener, 12.5x15 tires, HA 1000 hay pickup with same machine. . . . . List $8255 **Sale $6485**
1 CB700 with HA 1000 pickup, hydraulic sharpener . . . . . List $7144 **Sale $5615**
1 FB99 blower with heavy duty PTO . . . List $1837 **Sale $1485**
1 FB87 blower . . . . . List $1115 **Sale $900**
1 95 MX mixer . . . . . List $4552 **Sale $3500**

ZOOK'S FARM STORE

Honey Brook, PA
1 mile west of Honey Brook on Rt. 322, ¼ mile north of Reservoir Rd.

NEW EQUIPMENT

Pequea hay tedder, PTO	List $1180
Pequea hay tedder, ground drive	List $1080
Pequea manure spreader, ground drive	$1650
Pequea wagon gear	$320
Woodsman 3 pt hitch, cordwood saw	List $695
Hyd end gates for NH 202 manure spreader	

USED EQUIPMENT

NH 273 baler super sweep w/thrower	$2650
NH 268 baler super sweep w/thrower	$1550
New Idea manure spreader (like new)	$1390
Pequea Manure spreader (demo)	$1490
Pequea manure spreader w/hyd endgate & 4 wheel	$1790
Pequea hay tedder, ground drive	$750
Pequea hay tedder, PTO	$800
600 & 1000 gal oil tanks	$90 ea.

Light weight engine oil, **50¢** gal , steel seats, 4-5-6-8 hole wheel disc, 4-5 bolt hubs, spindles, bearings, floor jacks, 7-9 11 14-16 ga sheet, ¼"-3/8" plate, 1/8-3/16-¼" diamond plate, custom shearing, bending, welding work done, ¼" - 9/16" - 11/16" - 13/16" 15/16" - 1 7/8" - 2 1/8" - 2 3/8" - C F rounds, special price **15¢** a lb

PEQUEA MACHINE

R D. #2, Box 185
E. Gordon Rd.
Gordonville, Pa. 17529

FARM EQUIPMENT FOR SALE

To Settle Estate - Must Be Sold.

450 gal. Stainless Steel Milk Cooler
Compressor and Lines for Milker
3 - Milker Units
Wash Tank
Barn Cleaner - Complete Chain and Motor Chain like new
Other Items.

CONTACT
NELSON WATTS
WALTER S. SCHELL FARM
Sand Beach and Early Mill Road
Hershey, PA
Phone: 717-533-7397

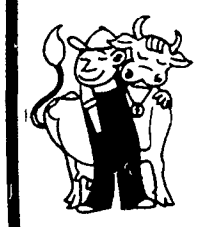
MAKE A COW HAPPY!

PUT HER IN A SHOW-EASE STALL ON A RUBBER COW MAT AND DRINK MILK.

Reprocessed Cow Mat for cementing in a 4 foot stall $36.66 plus freight.

New Rubber Cow Mats Always in Stock
Most sizes available
38x56, 38x62, 40x60, 42x60, 42x64, 42x72, 45x60, 45x64, 48x60, 48x64, 48x66, 48x72, 52x72, 60x72.

EQUIPMENT FOR SALE OR LEASE



BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Persuader Pump agitator for Lagoons
Handy High Pressure Washers

SHOW-EASE STALL CO.

573 Willow Rd. Lancaster, Pa.
Ph: 717-299-2536

MF Massey Ferguson

DEMONSTRATED EQUIPMENT SPECIALS

MF 1105 Tractor with cab New Price $22,952	Sell for $17,500
MF 285 Tractor 8 speed trans New Price $16,235	Sell for $11,200
MF 205 Manure Spreader New Price $3,135	Sell for $1,950
MF 560 Round Baler New Price $7,347	Sell for $4,700
MF 450 Round Baler New Price $6,257	Sell for $4,100
Used MF 760 Combine with 6 Row 30" Corn Head	30,000
Used MF 510 Combine with 6 Row 30" Corn Head	13,000
MF 178 D Tractor	4,500
IH 460 Diesel Tractor	2,000
JD 4010 Gas Tractor	
Farmall M Tractor	
IH 300 Tractor w/loader	
MF 4 row Cultivator	
Brillion 12' Cultimulcher	
John Deere 13 ft Chisel Plow w/disc attach	1,750
IH 8 row 30' Air, Corn Planter with Fertilizer Auger	3,500
AC 7B Spring Trip Plow	3,500

M. M. WEAVER & SONS, INC.

LEOLA, PENNA. 17540
PHONE: 717-656-2321

Located 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church

JOHN DEERE — *Nothing runs like a Deere*

USED FARM EQUIPMENT	NEW FARM EQUIPMENT
IH 460 HU Diesel	JD 4040, 4 post, QR
Farmall 400 Diesel	JD 346 Baler
Case 700 Diesel	JD 336 Baler
L35 NH Skid Steer Loader	JD 1207 & 1209 Mower Conditioners
NH 717 Forage Harvester	JD 1600 Chisel Plow
JD 14T Baler	NH 479 & 489 Haybines
IH 46 Baler w/thrower	NH 1495 SP Haybine Hydro & Cab w/air
1469 NH SP Haybine	JD 4400 Combine
JD 4400 Combine	NH 1400 Combine
JD 290 Corn Planter	NH 850 Baler
IH 455 Corn Planter	JD 500 Round Baler
JD 1240 Planter w/fert. & insect. attch.	NH 357 Grinder Mixer
Pittsburgh 11 ft. Disc	JD 700 & 750 Grinder Mixers
IH 2 pt. 3B Plow	JD 14x7 & 18x7 Grain Drills
JD 1600 Chisel Plow	Bobcat Skid Steer Loaders
IH 225 SP Mower Conditioner	Richardton High Dump Wagon
16' Lever Harrow	Glencoe Soil Savers
5 HP 3 phase elec. Motor	Athens Disc Harrows
15 HP 3 phase elec. Motor	EZ Trail Wagons
700 gal. Dari-Kool	EZ Flow Forage Boxes
Used DeLaval Pipeline	Martin Manure Spreader
New 1000 & 1500 gal. Dari-Kool Tanks in Stock	

FREE FINANCING ON USED TRACTORS & NEW & USED COMBINES

THIS WEEK'S SPECIAL
NEW JOHN DEERE 500 ROUND BALER
(Demo) - $4,950.00

CLUGSTON IMPLEMENT, Inc.

DARI-KOOL Jou Matic MILKERS

Chambersburg, PA 17201
1 Block off I-81 Exit 8
Phone: 717-263-4103
SPERRY NEW HOLLAND

TRACTORS

JD 4320D Cab
JD 4020D '65 M (SOLD)
IH 1466D
IH 966D, Cab
IH 656 Utility

BALERS

JD 336 w/thrower (SOLD)
JD 346 w/thrower
NH 268 w/thrower

2 Used Lamco Bale Wagons w/NH gears

COMBINES

MF 510 Diesel w/Grain Platform
Gleaner EIII w/Grain Platform
IH 205 w/Grain Platform
JD 4400 [illegible] choice of platfo (SOLD)
JD 45 Squareback w/10' platform, P.U. reel, very nice

H-H BALE KING BODIES
8-18 Slatted Floors
$745.00

GUNTHER HEUSSMAN INC.

So. 5th St., Emmaus, Pa. 18049
215-965-5203

NEW & USED EQUIPMENT

IH 100 Belt Driven Trailer Mower	$650
NH 273 Baler	$2750
NH 276 Baler, Sharp	$3300
Case 930	$3300
Case LA w/pulley (SOLD)	$1200
Small Portable Air Compressors & Tanks (New)	$130
3 pt 450 Mower	$595
NH 56 Hay Rake	$775
AC Crusher	$325
NH 273 Baler (New) (SOLD)	$3295
MM 5 Star Tractor (SOLD)	$1150
NH Trailer Mower	$375
MC Rotary Scythe Like New (SOLD)	$1950
MC Rotary Scythe Good Condition	$1350
NH 476 7' Haybine Like New	$1900
NH 256 Hay Rake w/rubber mounted piece (New)	$1325

NEW EQUIPMENT

Zimmerman Grain & Hay Elevator
Farm Bilt Wagons 6 & 8 Tons
Pittsburgh Spring Harrows
Hesston Farm Equipment
MC Rotary Scythe
Wisconsin Engines

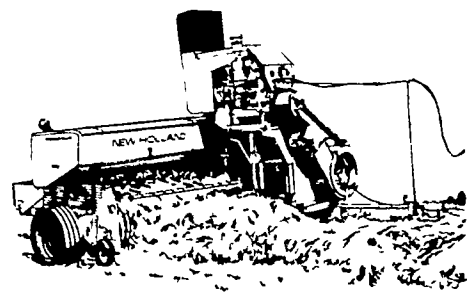
MILLER'S REPAIR

Bird-in-Hand, PA
717-656-9013

FARM EQUIPMENT

FARM EQUIPMENT

SPERRY NEW HOLLAND



MOWERS — BALERS
HAYRAKES
GRINDER-MIXERS
FORAGE HARVESTERS

PT-7 Hesston Windrower	New $4140	Special $3350
PT-10 Hesston Windrower	New $4835	Special $3950
Grove 14' forage body w/7 ton chassis R/L delivery	New $3568	Special $2850
8N Ford Tractor - reconditioned		Used
FMD Tractor, diesel, 3 pt , power steering, remote control valve & hose kit		Used

Ford Tractors Equipment

EDWARDS FARM EQUIPMENT

291 W. Moorestown Rd , (Rt. 512 at Clearfield)
Nazareth, Pa. 18064, PH: 1 (215) 759-0240

MF Massey Ferguson — GEHL — White Farm Equipment

SPECIAL PRICES AND DEALS

MF New tractors 285, 255, 275, & 230
Plows 43, 82, 345, 880
Chisel Plows 129
Disc Harrows 25, 120, 220
Rotary mower, lift type 58 & 68
Hay baler - Mowers - Hay rakes
Combines - new & used 510, 410
MF Industrial Trailer Tagalong $2295 each

GET A DEAL WITH GEHL

RB 1500A baler
880 & 770 mower conditioner
95 mix-all
2600 skid loaders
350 spreader
New and Used harvester, forage wagon and running gears.

WHITE HAS BARGAINS TOO!

Tractors, Plows, Disc Harrows
Famous White planters - air & plate
Bargains in used planters

ARNETT'S GARAGE

Hagerstown, MD
301-733-0515

USED EQUIPMENT

TRACTORS

- Oliver 1650
- Int 1456 4 Wh Drive
- JD 40 Tractor with Cultivator
- MF 1150
- JD MT
- Case 930 Tractor
- Case 830 Tractor
- Allis Chalmers B with Belly-Mounted Mower

LOADERS

- Case 1737 Skid Loader
- Case 1740 UniLoader
- Case 1537 UniLoader
- Case Loader

WINDROWERS

- Case 555 Windrower

TILLAGE

- JD Disc Harrow
- MF 3-Bot 2-Way Plow
- Case Disc Harrow
- Case 4-Bot Semi Mtd Plow
- MF 5-Bot Plow, Semi
- Used Cultipacker

HARVESTING EQUIPMENT

- IH 2PR 2-Row Picker
- IH 2MH Picker
- Fox 2-Row Harvester
- Ford 602 2-Row Mtd Picker
- NI Unisystem - 705 Tractor, with 727 Picker
- NI Unisystem - 702 Tractor, 710 Combine & 760 Harvester
- Wood Bros 1-Row Picker
- Colby 2 Beater Forage Box w/Running Gear
- IH 55 Harvester
- Case 300 Harvester
- Case V-12 Shredder

HAY EQUIPMENT

- NH PTO 77 Baler
- Hesston Stakhand 30

MISCELLANEOUS

- Ford 4-Row Corn Planter
- JD 2-Row Planter
- 8 Used Spreaders

NEW IDEA FARM EQUIPMENT

CORN CRIBS And Dunham - Lehr CHISEL PLOWS AT SPECIAL PRICE

case

ZIMMERMAN'S FARM SERVICE

Bethel, PA
Phone 717-933-4114

FARM EQUIPMENT

SERVICE & REPAIRS

For Allis Chalmers, New Holland, Starline, VanDale, and other farm equipment.

N.H. NEW EQUIPMENT

Manure Spreaders
707, 718, 770 Fg. Harvs.
7 & 9 ft. Haybines
14, 230, 234 & 238 Wagons
Pickup Heads, 717, 770
25 & 28 Blowers
Mowers, Balers & Rakes

SPECIAL PRICES
1495 12' SP Haybines
12 ft. Haybines
1400SP dsl. hyd. Comb.
L325 Skid Loader
Call For Prices

N.H. USED EQUIPMENT

1469 SP 9' Haybine w/Ford power unit
S68 Baler w/thrower
269 Baler
(2) 717 Forage Harvesters
365 Tank Spreader
516T Flatbed Spreader
27 Blower

MISC. USED EQUIPMENT

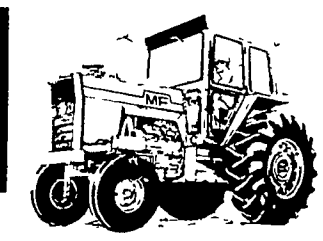
SP Fox 2-row Fg. Harvester
IHC Baler w/thrower
NI 217 2 btr. Spreader
Oliver 62T Baler
Case Mounted Mower
JD #5 Mounted 3 pt. Mower
AC 720 Fg. Harv. w/2-R adj. head
Kools & AC 480S Blowers
JD Hay Fluffer
(New) Lely Hay Fluffer
(New) Pequea Tedder

ROY A. BRUBAKER SALES • SERVICE

Phone:
717-626-7766
700 Woodcrest Avenue
RD3, Lititz, PA

FARM EQUIPMENT

MF Massey Ferguson



NEW TRACTORS IN STOCK

MF 2805 cab with duals	MF 750 combine w/hydro.
MF 1155 cab with duals	MF 510 combine
MF 750 combine, 8 speed	MF 285 8 speed

Plus a full line of MF equipment in stock.
Over Stocked - We have to reduce inventory.
Specials on MF & NH equipment in stock invoice or less.
No Phone Calls.

SPECIAL

New MF 120 Baler	$2950
Used Int. 350 Tractor w/plows	$1850
Used NH 1469 Haybine	$4000
Used NH 1469 Haybine	$5000

Vicon Rakes **Vicon Seeders**

SPECIAL

Larson 5 ton lime & fertilizer spreader, tandem, flotation tires.
$3,000

USED EQUIPMENT

MF 85 tractor, gas, loader	Holland transplanter, 1 row
JD 40 combine with 2 row corn head	JD grain drill on rubber
JD 4020 tractor	Ferguson TE 20 tractor
MF 124 baler, used 2 seasons	Int. 300 tractor
Case 1816 loader	MF 92 combine, diesel
NH 275 baler w/thrower	NH 269 haybine
Ford Jubilee tractor with loader	NH 68 baler
	NH 66 baler w/motor

$600 customer rebate on MF A-Line Tractors.
$200 customer rebate on MF 85 garden tractors.

ABRACZINSKA'S FARM EQUIPMENT, INC.

RD 1, Catawissa, Penna.
717-356-7409
(south on Rt. 42)

The Tractor Specialist sells more "up-time"

case

When the land is ready a farmer s tractor had better be ready to go That s why a Case dealer franchise just makes good common sense

As a Case dealer you re a tractor specialist Everything you do — selling servicing parts — has one target the best in farm power You and your tractors are backed by an industry first a sound marketing program Assured Availability It tells your customers that if for any reason during warranty the tractor they bought from you isn t ready to go they ll have a free replacement And Case backs you up!

Case backs you up with other strong marketing help including the Demo/Rental and Commitment to Quality programs

If the franchise is open in your territory you may also be eligible to sell and service light construction power For information on the full potential of a Case franchise in your area write or call

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Sam Koelpin
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There is no obligation of course

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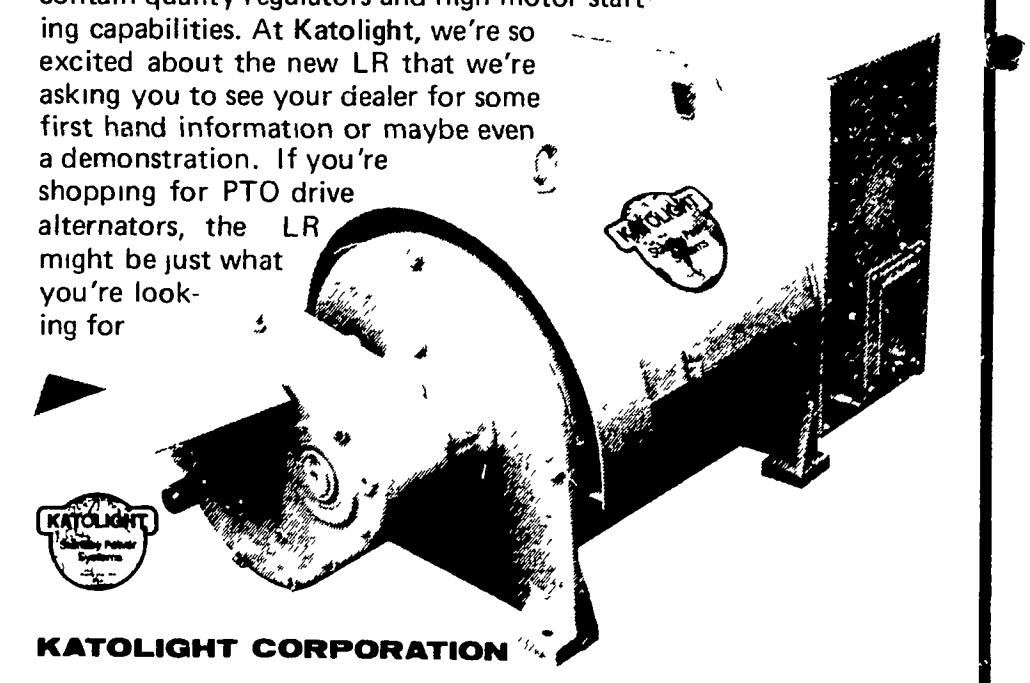
Finally... a *Brushless* But a "Sensibly Priced Alternator" for the Sensible Farmer.

We want to introduce you to our new LR series AGRI-ALTERNATORS . These "Sensibly Priced Alternators" do not sacrifice quality for quantity. They're hot off the drawing boards and designed specifically for farmers with economy in mind. The new **Katolight** LR Alternators produce more watts per dollar than any other unit on the market. **Katolight** backs LR's with local service and a sound warranty. LR's contain quality regulators and high motor starting capabilities. At **Katolight**, we're so excited about the new LR that we're asking you to see your dealer for some first hand information or maybe even a demonstration. If you're shopping for PTO drive alternators, the LR might be just what you're looking for



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Harlan W. Martin - Owner
P.O. Box 35, Martindale, Pa. 17549
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SCHAEFFERSTOWN, PA

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Ask for Lee or Ralph

HOURS Mon thru Fri
7 30 A M to 7 30 P M
Sat 7 30 to 12 00 Noon
Evenings by appointment only

CRAWLER LOADERS

Cat 933 F	$6500
Cat 941	$16,500
Cat 955H Pedal Steer	$16,500
Cat 955H Pedal Steer	$17,500
Cat 977K 46A Series	$23,900
AC HD5	$3500
(3) AC HD6G	$6000 ea
AC HD7G	$8000
(2) IH TD6 4-in-1 bucket	$6500 ea
IH TD9, very good cond	$5500
IH 340 4-in-1 bucket w/ripper	$5500
JD 2010	$6000
(2) JD 350	$7950 ea
JD 450B	$14,500
JD 450	$10,000
Case 450 w/cab	$9000

CRAWLER DOZERS

Cat D2 angle blade	$3500
Cat D6 Hyd angle blade	$7500
Cat D8 cable 2U Series	$7500
Cat D8 Hyd 2U Series	$9500
Cat D8 H cable 46A Series	$23,500

BACKHOE LOADERS

Ford 1801	$3800
Ford 4500	$8500
IH 3800 4 wheel drive	$10,500
IH 3414 Diesel	$6500
AC D15	$4500
Case 580CK w/cab	$8500

HYDRAULIC EXCAVATORS

Heim Warner C12	$7500
Cabot	$7500

LET OUR 30 YEARS EXPERIENCE WORK FOR YOU

TRUCKS

1964 Dodge 10 ton dump	$3500
1964 Chevy 18' grain dump	$3500
1965 Chevy Cattle Truck	$3000
1965 IH 16' flatbed	$2000
1966 GMC 10 Wheeler, Gas	$6500
1967 Chevy El Camino	$850

TRAILERS

6 ton Tag-Along	$1250
15 ton Gooseneck	$2500
25 ton Rogers Gooseneck	$7500
C M I Folding Gooseneck	$15,000
C M I Load King 40 ton, Folding Gooseneck	$15,000

LOG SKIDDER

IH TD9 w/winch & log sulky	Best Offer

WELDERS

Hobart Portable	$900
Lincoln 225 Portable	$1050
Steam Cleaner	$100

GRADERS

AC Model D	$5000
Huber Wargo w/cab	$6500
Gallion full hydraulic	$6500
(2) Huber Maintainers	$1850 ea

PAVERS

Fordlane	$2850
Layton	$3500
Layton	$1700

ROLLERS

1 ton General	$1500
1½ to 5 ton General Vibratory	$2500

WE BUY USED EQUIPMENT

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Division of Hesston Corporation
FACTORY DIRECT SALES - PARTS SERVICE
North East U.S. Largest Retail Forage Harvester Outlet

ANNOUNCING NEW UNITS FOR 1978
7600, 210 H.P. Cat Engine and
7650 258 H.P. Detroit

CHECK OUR LATE MODEL TRADE INS:

USED FIELD QUEENS AVAILABLE

HARVESTER SALE

1973 JD 3800, pull type $3010.00
1975 JD 3800, pull type $4524.00
1974 JD 38, pull type $2250.00

All Harvester Sales include 2-row corn head and pickup. Some units have electric rebevel grinder.

1975 Gehl 600 PTO Harvester w/2 row corn hd. & hay hd.
(3) A.C. 3-row narrow snapper heads
(1) Field Queen 16' steel truck box $2250.00 List for $3750.00

FIELD QUEEN

1190 Enterprise Road
East Petersburg, PA
Lancaster Co. 17520
Call Frank Walters
717-392-7795
or Res. 717-733-3665

NOW...FINANCE CHARGES WAIVED ON USED TRACTORS & IMPLEMENTS

Trade now for one of our ready-to-go used tractors Get several months of use...with no finance charges imposed until September 1, 1978. John Deere Financing can help with your purchase and keep more of your money available for other uses this season.

What's more, new John Deere implements and used implements of any make can also be financed as part of your purchase.

Stop in or call us. Be sure to see the fine selection of tractors we have in stock. This offer is for a limited time only!

J.D. 4010 Diesel
M.F. 230 Gas

LANDIS BROS., Inc.

1305 Manheim Pike, Lancaster, PA 17601
PH: 717-393-3906

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New Park, Pa. PH: 717-993-2511
Mon. 7 A.M. to 8 P.M.; Tues.-Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon

GET READY TO MAKE HAY WHILE THE SUN SHINES

PRE-SEASON DISCOUNTS

NEW BARGAINS	Reg	NOW
New 435 baler w/thrower	$6794	$5600
New 445 baler w/thrower	$7650	$6300
New 720 forage harvester w/hay pickup	$8275	6450
New 830 forage harvester w/hay pickup	$9025	$7550
New 990 mower conditioner, 9'	$5353	$4400
241 Big roll baler	$7413	$5200

USED HAY EQUIPMENT	Reg	NOW
46 baler w/thrower	as is $500	$ 295
550 forage harvester, 2 heads	$2900	$2450
Fox 2000 harvester w/late corn head	$3400	$2575
Fox Super 6 harvester w/corn head	$1200	$1075
Deere 38 harvester w/2 row corn head	$2650	$2300
#33 hay conditioner	$450	$ 375
Nice 46 baler w/thrower	$995	$ 850

NEW 284 TRACTORS - AS LOW AS . . *$4850
NEW 185 LOWBOY w/60" MOWER, 3 PT HITCH, CREEPER DRIVE *$4600
NEW 184 LOWBOY w/60" MOWER *$4400

***WAIVER OF FINANCE ON IH MANURE SPREADERS UNTIL NOVEMBER 1, 1978**

TIMES RUNNING OUT!!! - To Get That New or Used Planter You've Been Looking For.

New 56 planters, 4-row w/fertilizer	$3000
One new 400 Cyclo, 4-row w/fertilizer	$3600
Used 456 runner planter, 4-row w/fertilizer	$775
Used 400 Cyclo, 4-row, no till liquid fertilizer, insecticide	$3400
Used Massey Ferguson 4 row w/fertilizer used 1 season	$1800

USED TRACTORS

F-966D, 1250 hrs., sharp
F-706D, 3 pt., reconditioned
I-574 gas, overhauled
F-450D, new paint, sharp
F 656D, new 3 pt. hitch & new wide front, 1200 hrs.

WAIVER OF FINANCE ON USED TRACTORS UNTIL SEPTEMBER 1, 1978

SPERRY NEW HOLLAND case

NEW HOLLAND, CASE
GEHL, BUSH HOG

NEVIN N. MYER & SONS, INC.

RD1, Chester Springs, Pa.

Sperry New Holland has Free Finance on Spreaders* Grinder Mixers, & Combines so now is the greatest time ever to purchase your equipment before season Call or stop in for all the details

NEW CASE TRACTOR INVENTORY

High Performance tractors from 43 H P to 276 H P price advantage on some models Low payment leases available and rentals available on tractors and uni-loaders.

Rental of Case Tractors 43 h p to 155 h p

Model 995, 99 5 hrs - $8900
Model 995 - $9495

NEW TRACTORS
Yanmar 24 H P - $3750

UNI-LOADERS
1816
1830

NEW HOLLAND EQUIP IN STOCK
355 Grinder-Mixer
310, 315, 320 Balers
718 Forage Harvester
L445 Demo Loader

NEW TILLAGE EQUIPMENT
Bush Hog
(1) 1432-127 Tandem Disk Harrow 20" blades 10'6" cutting width
(1) 1436-073 Tandem Disk Harrow 22" blades 12'8" cutting width
Glencoe SSP 7 Soil Saver
Case 1800 3 pt Chisel Plow 10' & 12' cushion clamp 32" shank
McConnel 16 ft Wheel Harrow, manual fold

MISC NEW EQUIP
Sidewinder 7' Trailer Rotary Mower
Sidewinder 5' 3 pt hitch Rotary Mower
Kuhns 440T Hay Tedder
Pequea Hay Tedder, PTO Drive
(2) Bale King 21' Bale Bodies

USED EQUIPMENT

TRACTORS
David Brown 990 w/new short block, engine selectomatic 12 spd, only 2325 hrs on rest of tractor $6500
Case 800 - $2495
Oliver 77 Gas - $1495
John Deere H w/1 bot 2 way plow cultivator - $1195
Farmall C w/hyd 2R planter and cultv - $1795
Case 430 Gas, PS, 3 pt hitch

HAYBINES & MOWER CONDITIONERS
NH 461 9' Cut
NH 469 9' Cut
NH 479 7' Cut

FORAGE HARVESTERS
NH 717 w/hay pickup
NH S717 w/hay pickup
Gehl CB 600 w/hay pickup

FORAGE WAGONS
(2) NH #6 Crop Carriers w/roof
(1) NH #7
(1) JD 214
(1) IHC 51

TILLAGE
Oliver 253 Disc 13'8" cut
12'2" Pittsburgh Disc
Kewanee 250 Field Cultivator, 16 ft 9 in manual fold wings

BALERS
NH 269 w/PTO thrower
NH 271 w/PTO thrower
NH 275 w/PTO thrower
NH 850 Round
Gehl 1500 Round

MANURE SPREADERS
NH 675 single beater
NH 518 sgl btr w/end gate & splash guard
NH 346 Tank Spreader
NH 346 Demo w/hyd lid opener & auto fold down rear panel
NI 215 triple beater

SKID STEER LOADER
Melroe 610 Bobcat $4895

Call Ken Myer
215-827-7414

FARM EQUIPMENT

USED HAY EQUIPMENT

NH 56 roller bar rake with rubber teeth; NH 68 baler; NH 30-36' hay elevators; MC 7 ft. and 5 ft. rotary scythe; Nicholsen and Kuhn hay tedders; JD hay fluffer; NI 751 & 752 hay crushers; JD Big 4 & IHC #9 grass mowers.

Thomas J. Wheary & Son
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FARM EQUIPMENT

ELAM S. ZOOK

ROUND STEEL HAY RACKS FOR 18 HEAD
STEEL GATES (Made To Order)

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FARM EQUIPMENT

2 YEAR WARRANTY ON NEW IH TRACTORS
- Models 886 to 1586
- 4 Wh. Drive Models 4186 to 4586

HAY SPECIAL!
9 ft. MC Rotary Scythe
$3,400
(f.o.b. New Berlinville)

- MH SP 90 Combine w/12' Head
- MH SP 76 Combine
- IH 403 Combine, Gas, 4 Row Wide, 12 Ft. Platform.
- 503 Combine, Gas, 4 Row Narrow Head, 13' Platform

Waiver Of Finance Til 9/1/78 On New And Used Combines!

★★★★★★★★★★★★★★★★★★★★

BRAND NEW - IN STOCK!
- IH 735 VARI-WIDTH PLOW, 5 Bottom, 14 to 22 inch

★★★★★★★★★★★★★★★★★★★★

USED EQUIPMENT

TRACTORS
Int 806 Gas
JD Cyclo A Tractor
IH 350 D
IH 460 D
IH 560 Gas Standard
(3) Farmall Cub
Farmall M
Farmall H
MM 602 Tractor

HAY EQUIPMENT
Sickle Bar Mower for JD A or B
46 Int Baler with thrower
IH 1300 3 pt Hitch Mower
JD Mower to fit H or M
JD 14T Baler
Gehl FH 84 Field Harvester with hay pickup & 1 row corn head
Oliver Rake
NH 818 Chopper w/1 row corn head & pick up head
IH 550 Chopper w/2 row narrow head & pick up head

TILLAGE
Int 353 Rotary Cultivator, 6 row
Oliver 6 Bot, Auto, Spring Reset 16"
IH 12' Disc Harrow
5-Bottom Oliver Hyd Reset 16"
(2) IH 560 6-Bot Plow
IH 12' Pull Type Harrow
9' Glenco Trailing Chisel
IH No 55 13' Trailing Chisel
Oliver 2-Bot Trailing Plow
IH 710 4 Bottom 16" Auto Reset
JD 12' AW Disc Harrow
JD 10' Packer Mulcher, old style
IH 540 4-Bottom Plow
Int 470 17'5' Folding Disc Harrow - Like New!
Int No 55 13' 3 pt Hitch, Mtd Chisel
JD 12' 3 pt Hitch Chisel Plow
Brillion 12' Packer Mulcher
IH 463 4 row Cultivator, fast hitch
Case 4 row Cultivator, 3 pt hitch
Pittsburgh 4 row Cultivator, 3 pt hitch

MISCELLANEOUS:
NI Trailer Fertilizer Spreader, 2400 lb cap
Sauder Loader for Ford
Int 51 Forage Wagon
MH 2 Row Self Propelled Corn Picker
Ontario Grain Drill
IH 13 Disc Grain Drill
IH 15x7 Grain Drill
JD 15x7 Grain Drill
JD 17x7 Grain Drill
JD 694A 6-Row Planter with Liq Fert
JD 1240 Planter with Liquid Fert, 4 Row Wide
IH 449 4 Row Planter
JD 2-Row Plateless, No Till with Liq Fert
2 IH 400 Cyclo Planters 4-Row, Dry Fert 10' Chatanooga Packer
IH 56 2 row Planter, like new

SPRING SPECIAL!

One PS 1001 T spreader, list price $2045, SALE PRICE $1395
One SF 2 450 power harrow, 15 ft list price $6200, SALE PRICE $4195.
One MF 2 300 power harrow demo, 10 ft. list price $4895, SALE PRICE $3200
Donahue carrier trailer 7 x 28 with tire, $1700
Jamesway belt feeder, 50 ft, complete with stands and motor, $1595.

CALL NOW!

McCURDY GRAVITY BOXES AND RUNNING GEARS IN STOCK!

JOHN BLUE IN STOCK
- 400 gal. Sprayer
- 4 Ton Spreader
- G-1000 Tractor

PARTS IN STOCK!

ERB & HENRY EQUIP., INC.

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Daily 7 to 5.30, Fri till 9
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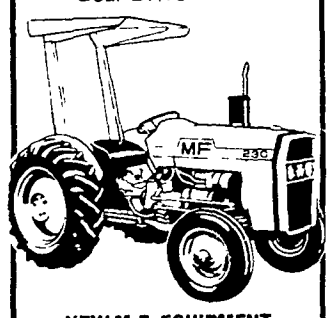
SEE US FOR
- DeLaval
- Vicon Spreaders
- FMC Bean
- Butler Jamesway
- IH Parts
- SunFlower Disc Harrows
- MC Dryers & Equip
- Artsway Dion Forage Wagons
- John Blue Sprayers & Equip

MF Massey Ferguson

TRACTORS & EQUIPMENT
Brillion 7' 3 pt Chisel Plow
Brillion 12' Field Cultivator, pull type
Brillion Pulverizers, 10', 11' & 13'8"
IHC 2500 A Tractor
MF 2200 Dsl Tractor w/loader
JD Model A Tractor
Farmall C Tractor
JD Model B Tractor
NH 282 PTO Baler
NH 717 Forage Harvester w/corn head
IH 550 Spreader
NH 512 Spreader
NH S676 Spreader w/hyd end gate fine manure pan & splash guard
Woods RM90, C80, & M5P-4 Mowers
IH 51 Crop Carrier
NI 9' Mow/ditioner
JD #44 Spreader
JD #35 Harvester w/2 row N corn head & pickup
MF 300 Combine 6 cyl gas w/10' quick attch table, 2 row reg corn head, pickup reel and cab
IHC Model 915 Diesel Turbo Combine w/cab & air, 6 row narrow corn head, corn & bean special
JD Mower Conditioner
Ariens Lawn Tractor w/mower 10 H P Gear Drive



NEW M.F. EQUIPMENT
MF 750 diesel Combine w/14' table
MF 68 Rotary Cutter
MF 253 Tiller 3 HP
MF 620 Disc Harrow 19 ft
MF 620 Disc Harrow 14 ft
MF 25 Disc Harrow 6½'
MF 44 Corn Head
MF 50C Dsl Tractor w/300A loader and cab
MF 265 Dsl Tractor w/cab
MF 40B Dsl Tractor w/34A loader & cab
MF 30B Dsl Tractor w/loader & cab
MF 245 Dsl Tractor
MF 20C Tractor w/34A loader & cab
MF 1085 Tractor w/cab
MF 128 Baler
MF #1 Post Hole Digger w/12' auger
MF 1450 Lawn Tractor w/mower
MF 1200 Lawn Tractor w/mower
MF #85 Lawn Tractor w/mower
MF 110 Spreader $1 685
MF 130 Spreader $1 888
MF 160 Spreader $2 188

S.G. LEWIS & SON, INC.
R D 2 Box 66
West Grove PA
215 869 2214

FARM EQUIPMENT

For Sale - Farmall 706 gas, tricycle, fast hitch; MF 4 bottom 3 point 16 in. plow. Ford 2-row corn picker. 215-929-0574.

FARM EQUIPMENT

For Sale - 2 Grove hydraulic wagons with 7x14 ft. beds, AC PTO rake, NH bale loader, make offer. 215-264-3936.

FARM EQUIPMENT

For Sale - 1 JD 494A 4 row corn planter with Gandy insecticide boxes, good condition. 301-877-9889.

Tractors & equip. just traded & purchased - (New) M.F. 1105 cab, air fully equip., (New) M.F. 1085 w/roll guard, (Used) J.D. 4430 w/roll guard Quad, 1970 J.D. 4020 w/diff. locks & dual hyd., 1970 J.D. 3020D powershift, J.D. 3010 gas, J.D. 720 gas. Farmall 1566 w/roll guard & duals, 656 Hydro. D, Int. 4166 four whl. drive w/cab & 3 point, Int. 660D standard, excell. cond. & extra nice, Case 930D standard. (New) Int. 445 Baler, (Used) Int. 844 corn head. 4 (New) J.D. 444 corn heads, 2 (New) J.D. 443 corn heads. J.D. #8430 fourx18 rollover plow, used 60 acres. (New) M.F. 1805 four whl. drive w/18x38 duals, cab, air, 3 pt. **(SOLD)**. Farmall 1086 cab, air, fully eq., used 83 hrs., new cond. Farmall 806 D w/new T.A., new turbo, real nice. J.D. 4630 cab air, Quad range used 400 hrs., like new **(SOLD)**. (New) John Deere 4840 fully eq. w/ duals. (New) New Holland 488 haybines. Case 660 combine w/cab & 10 ft. grain. (Used) J.D. 7000-four row 30" plateless, Inst. monitor **(SOLD)**. White 6 row 30" No til, liquid, Inst. monitor, fully eq. Farmall (burned) 766. 756, (New) White 2-105, (Used) J.D. 4430 cab, air, power shift, 4020 w/front whl. drive **(SOLD)**, 3020 tri-diesel. A.C. 180 diesel, Long 900 diesel like new, Farmall 300 w/side mounted mower **(SOLD)**. 140 w/blade & rotary cutter, (1)(2)(New) J.D. 7000 six row planters, Gleaner K combine w/cab, 10 ft. grain & 2 row corn (real sharp) **(SOLD)**. (Used) Glencoe SS7 Soil Saver, 71 Ford pickup. A.C. 200 diesel, Int. 660 diesel extra nice, J.D. 3010 gas, J.D 4020D for $7200. J.D. 220 Hyd. Fold 18' Disk. J.D. BWA 16' Wing Disk, J.D. 14 ft. Plowing Disk. Int. 315 - 13' roller Harrow. N.H. 282 Baler.

JOHN DEERE (New) 4440, power shift. (New) 4440 cab, air, Quad range $24,000 00. (New) 4430 cab air. (New) 4640 power shift fully equipped. (New) 2840, (New) 4230 cab air Quad Range, 4230 Quad Range w/rollguard, (Used) 4630 cab air power shift used 300 hrs., 4620 w/rollguard, 730D, 720D, (Used) 4230's, 4620 w/cab, 5020, (2) 1967 & 1968 - 4020's, 4320 **(SOLD)**, 3020, 2510, 5020 tractor puller.

FARMALLS (Brand New) 986 cab & air, (New) 966 w/cab. (Used) 1066 gear, 966 w/cab, 766, 1456, 1206, 856, 806, 706, 1206 w/four whl. drive. 656 hydrostatic gas, 1206 no 3 pt., Int. TD 6 w/blade. MTA.

CASE (Used) 970 power shift w/roll guard, Case 970 w/8 speed, White (New) 2-85, Oliver 1855, 2050, 1850, 1800, 1750, 1600

MASSEY FERGUSON 1130, 1100, 180 diesel, A.C. 200, 180, XT190, Ford 8000.

COMBINES - J D 6600 Hill Side w/2 heads, 6 month old, like new, M.F 300 w/cab air, used 80 acres, 1975 J.D 4400 diesel used 600 hrs, 1973 J.D 4400 diesel w/443 corn head, M.F. 300 w/cab quik tach 3 row 30" corn head. J.D. (New) 4400D fully equipped **(SOLD)**. (Used) 6600D cab, (Used) 7700D Hydrostat, 7700D gear w-2 heads, 105 corn Special D w-cab & 2 heads, 95, 45, 40 Square backs. Gleaner L diesel w-2 heads. G w-2 heads, F w-2 heads **(SOLD)**, E w-10 ft. grain. Int. 915D fully equip., w/grain & corn head. Massey Ferguson 510 D Hydrostatic w/-quick tach heads, 510D gear quick tach both heads. **Coming in:** (New) Int. 1460 axial-flo combine w/2 heads.

Older 300, 82 w/cab. N.I. 702 Uni tractors w/combines & shellers, 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Case 1660 w/cab, grain & 4 row corn head, N.I. 702 Uni w/cab, chopper 3 row 30" corn head. N.I. Uni #726 husking bed.

CORN HEADS - John Deere 443, 843, 643, 444, 343, 244, 435, 434, 335, 235, 234, Massey Ferguson 44, 43, 24, 222, for 300 & 82, Gleaner F335, A330, CII 440, CII 430, Int. 763 six row, 227, 3 row J.D. model 313 for 55 combine (like new). Case 402. CII 430, MF 321, (40) corn heads to pick from on our lot.

BALERS - (New) J.D. 336 w/thrower, Int. 440 w/thrower, N.H. 275, 282 real nice.

CORN PICKERS - (1)(New) N.I. 2 row 38" pull picker w/12 roll bed, (2)(Used) narrow row w/8 & 12 roll beds, 2 nice (Used) 2 row wide w-12 roll beds, shellers and Super shellers, 3 row 30" pull picker with Super sheller, 319, 305 mounted w-12 roll bed & shellers. Super shellers for pull pickers, shellers for mounted pickers. N.I. 323 one row. (New) N.H. 256 rakes.

HARVESTERS - N.H. 770 w/two row, Super 717 w/two row, Fox 3 row 30" corn heads, J.D. 38 w/2 row head, 34 N.H. Super 717, 717, Fox 2000 w/2 row & elect. sharpener.

HAYBINES - (New) N.H. 479, (New) N.I. 272 Cut-Ditioner $2900, (New) Gehl 880, (New) J.D. 1209.

GRAIN DRILLS - (New) J.D. 8350, (New) M.F. model 33 seventeen disk $1975.

CORN PLANTERS - (Specials)(New) J.D. 7000 four row. (New) White 5400 four row w/monitor. (Used) Int. 4 row 400 Cyclo (nice).

PLOWS - New White 508 - 5-18 automatic reset. J.D. and Int. 4,5,6,7 trip and resets. Oliver 5,6,7 trip and Hydraulic reset, chisel plows 3 point 10-13 ft.

Tractors and equipment just purchased, traded, & received - M.F. 1155 cab air duals used 1100 hrs. Farmalls - 1466 cab & air, 1466 cab & heat, 2-766's, 706D, 560D, Ford 8600 w/dual power, Int. 16 dbl. disk drill, (New) Int 241 Round Baler for $4475.00: (New) Glencoe SS7-9 ft. Soil Saver $4150.00, (New) Glencoe SS9-11 ft. Soil Saver $4500.00, White 24 ft. hyd fold wing disk, (Used) J D. 14 ft. plowing disk, (Used) N.H. 479, 469 haybines, Ford 4000D w/2 row mtd. picker J D. 3020 gas, N I. 3 row 40" stripper bar corn head Oliver 1950T w/over & under shift, Farmall 560D original, Int. 454 utility gas. MF 300 Combine w/cab, grain & 2 row corn head. (New) Int. #350 - 11½ ft. Disk, (New) Pittsburg 11 ft. Disk, Brady 9 ft. Pull Chisel Plow, N.H. 36 Flail Chopper, (Used) 4430 cab & Quad, Case 1537 Uniloader. Int. 733 corn head 3 row 30" for 615 or 303. Int. 7-8X auto. reset on land hitch, White 18 ft. wing disk, Kawanee 22 ft. wing disk. **Planters** - (Used) J.D. 1440 4 row no til plateless, 1240 **(SOLD)**, 494A. White 6 row no-til, liquid, air, Inst., monitor, fully eq. **Loaders** - Int. 2050, 2000, J.D. 158, (2) 1972 J.D. 4020, 1970 4020, Case 930. Field cult. 12, 14, 16 ft., J.D. 8 row rear cult., (New) Gehl 95 grinder mixer, Int. 6X auto. reset plows. J.D. 2020 diesel. **Combines** - J.D. 7700 gas w/2 heads, Gleaner F w/2 heads, CII w/cab & corn. **Corn pickers** - J.D. 237, M.F. 61 - 1 row. **Cabs for tractors** - Int., Farmall 1066 w/20:8x38 tires, J.D. 4010D needs motor work, J.D. 3020 gas $3,500., (Used) J.D. 4030 w/cab, (Used) J.D. 4430 cab air Quad Range, M.F. 1080, 180, (Used) J.D. 4430 w/rollguard. Farmall 560D w/wide front, Int. 990 haybine **(SOLD)**, N.H. 903 Windrower used 60 acres. **Trucks** - 1976 Chev. Roll back, 1971 Int. Roll back, 1967 Int. diesel Roll back $4,000. 1977 Delta 44 ft. Combine trailer $10,000. Farmall 656 Hydra gas. Int. 2000 loader. Farmall 966 w/cab (like new), Farmall 806 w/loader, Int. 4 row stalk shredder, Farmall 826, Ford 5000 diesel. Blade for Int. TD6 crawler. Case 830 diesel, (New) 11½ ft. J.D. 1630 plowing disc, $4500.00. (New) 10 & 12 ft. Hutch Master plowing disks. J.D. 105 diesel combine w/grain & 4 row head $7,500. White 704 corn head. J.D. 243 Snapper corn head for J.D. 3800 chopper. M.F. 1100 diesel. N.I. 324 two row picker w/12 roll bed, used only 40 acres. 1970 J.D. 4020 w/cab, Farmall 544, Int. 234 picker w/bed & sheller attach. (New) Lamco 18 ft. metal bale rack wagons special priced - $790. Int. 82 pull type, (2) N.I. 3 row pickers w/shellers, Brillion 15 ft. field Cultivator.

OLIVER 1850 w/over & under shift and duals, Disk harrows - Brillion 13 ft. & 15 ft. cultimulchers, (New) Kill Bros. gravity bins. New Holland 717 pick up heads, pick up heads for Int. 55, 550, 555, 650, also Int. 16, 350, J.D. 38, 34 pick ups. (New) Kill Bros. 8 ton running gears. N.H. 2-row 30" corn heads for 717, 770, 2 Fox pickup heads, like new

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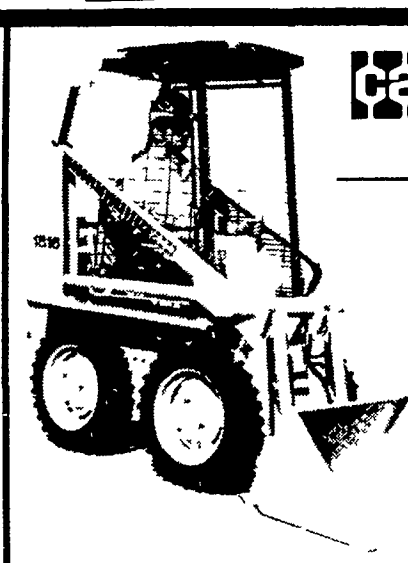

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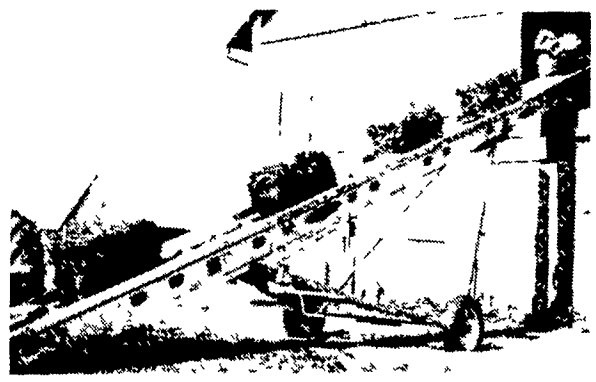

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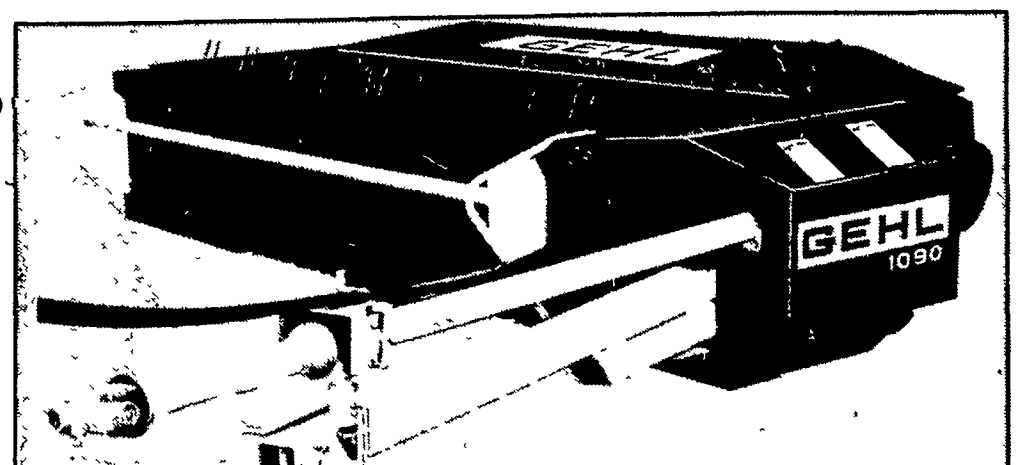

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508 SAR 5-B Plow
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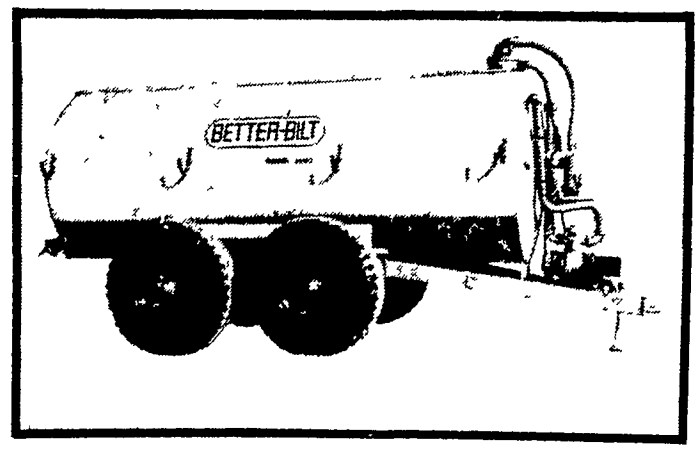

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NEW
SEMI-CLOSED CAB
for 1469 New Holland
Self-Propelled Haybine
$295.00

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Loysville, PA
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DAIRY EQUIPMENT

For Sale - 4 Surge breaker cups with pulsators and pulsation controls for Surge pipeline. Vanco Sales Co. 717-776-3494.

For Sale - JD wire type baler, 214W #2 thrower. Ph. 215-767-3133.

For Sale - 11 can milk cooler. Bennie F. Stoltzfus, 99 Quarry Rd., Leola, Pa. 17540.

DAIRY EQUIPMENT

1000 gal. Girton bulk tank; 60 cow Patz barn cleaner — will be sold at Auction Wed. Night June 7 - 7:30 P.M. For Steve Nemeth, Jr., Rt. 94, Hamburg, NJ. Must be removed within 5 days. Auctioneer Col. Fred R. Daniel, 201-369-4784.

GOOD USED EQUIPMENT
1-DeLaval 75
2 3-Dumping Station
1-DeLaval 73
2-Surge 30 Pump
SP 11 Pump
SP 22 Pump
1-Surge Alamo 75
6-DeLaval used Weigh Jars
2-DeLaval Pipelines complete
1-Surge Pipeline complete
18 DeLaval 200 unit with 60 lb. weigh jars
717-626-1151

DAIRY EQUIPMENT

Milk Tanks. 1500 Zero - two years, 1250 Mueller - "O" type, 600 Mueller - "O" type, 800 Mojonnier - vacuum, D-2 800 Girton, D-2 500 Girton, 500 Zero, 600 Sunset - all in good to excellent condition. Phone Collect - (717) 264-6007. Donald Upperman, Rt. #3, Chambersburg, PA 17201.

For Sale - 600 gal. Bou-matic milk tank, 1 yr. old. Ph. 717-569-9328.

DAIRY EQUIPMENT

For Sale - 735 gal. Sunset atmosphere milk tank, flat top lids. Ideal for Amish use 400 gal. Dari-Kool, 400 gal. Mojonnier, 400 gal. Jamesway, 530 gal. Esco - Special $275 (tanks only). Also special prices on large factory rebuilt tanks. Marvin J. Horst - Dairy Equipment, 1950 S. 5th Ave. (Iona) Lebanon, Pa 17042. Ph. 717-272-0871.

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CECIL DAIRY SERVICE

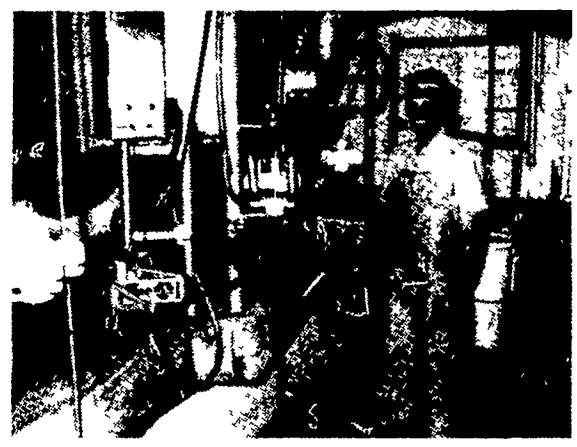
June is dairy month

Rt. 274, R.D. #1, Box 322-A
Rising Sun, Md. 21911

BADGER - DELAVAL - ONDULINE corregated roofing -
CANNONBALL roller track & door hardware - Ban-A-Fly - gates - Madison silos

Cecil Dairy Service would like to salute the American Dairymen for their determination to produce and feed the American people the best food available, our customers, here in Lancaster & Chester Co., Pa. and in Cecil, Harford & Kent Co., Md. are among the tops in the nation. We would like to congratulate, especially, the following dairymen on their purchases this past year:

- ★ **Curtis Farms** - Peach Bottom, Pa - new 2½" stainless milking parlor equipment with Automatic Removal Mechanism
- ★ **Ben McGuire & son John** - Kennedyville, Md. - new 2½" stainless steel around the barn pipeline and their recent purchase of 6 DV 300 units.
  Mr McGuire's statement that here is a system that really milks cows. Their herd is around 100 milking.
- ★ **William Funk** - Elkton, Md - new around the barn pipeline with 3 units.
- ★ **Kenneth Sellers** - Unionville, Pa - 6 DeLaval units to convert his parlor for faster milking.
- ★ **Robert Herr** - Oxford, Pa. - for purchase of around the barn pipeline.
- ★ **Marvin Nolt** - Peach Bottom, Pa. - new around the barn 2" stainless steel pipeline in the new barn he just built.
- ★ **John Zartler** - Port Deposit, Md. - new Badger silo unloader & silo.
- ★ **F. Grove Miller** - North East, Md - new silo, unloader, and feeder.
- ★ **Charles A. Holt & sons** - Elkton, Md. - 2 new silos, unloaders.
- ★ **J.B. Carson** - Rising Sun, Md - new silo, unloader, and feeder.



Franklin Harkins, Forest Hill, Md standing beside this DeLaval Challenge Feeder, he purchased in April, 1978 He states that after a 2 week adjustment period, his top cows which he equipped with transponders are really coming up in production Some are up as much as 10 lbs daily in their 3rd month of lactation He also is very satisfied with his Automatic Removal Mechanism that we installed for him in June, 1977 and only one service call the first year of operation He also has one of the top herds in Harford County, Md Our congratulations to Franklin

Mr and Mrs. William Fell of Nottingham, Pa. are very satisfied with their new DeLaval Challenge Feeder they purchased in May, 1978 Mr Fell commented that one 2 yr old in her third month of lactation was up to 64 lbs after the previous months of 56 lbs daily and was bred back. His cows are still going through the initial adjustment period, but he says already he is seeing very satisfactory results from his investment He also converted to DeLaval milkers in March, 1978 and cut his milking time by 40 minutes on 85 head We really appreciate satisfied customers and congratulate Mr and Mrs Fell on their purchases

These are just a few of the recent jobs we have completed
You can also enjoy the nation's no 1 dairy system if you will just give us a call and let us quote a price. We have now available from DeLaval three different pulsation rates in solid state timers, also sterling pulsators They have 70-30, 60-40, 50-50 How many other dealers can do that and have the very best quality in the equipment at no extra cost? We are determined to provide you with the best equipment and service available So give us a call at our store where your dollars buy more

301-658-6923 **301-658-5857**

J.B. Osborne **Larry Cole** **Richard Reburn**

DAIRY EQUIPMENT

For Sale - Stainless steel wash tubs, 260 gal. milk tank, ice bank type. 717-394-6952.

For Sale - 250 gal. Esco bulk tank $350, SP 22 Surge milker pump with 100 ft. 1¼" galvanized pipe $225, used water bowls $15. 717-899-6395.

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1 Alamo 75
1 Alamo 30
3 SP 22
1 Univeral 2 hp.
1 Sta-Rite, 3 hp.
1 Sta-Rite, 5 hp. (pump only)
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DeLaval pail milkers
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LIVESTOCK & SUPPLIES

Wanted - Dairy cows and heifers. Also, entire herds. 301-358-0412 after 9 p.m.

Wanted - Entire dairy herd, also, bred Holstein heifers. Will pay $25 more per head than the going price. Don't sell until you call me. Call collect - Reuben Greenberg, Inc., Columbus, NJ 609-298-1021.

Wanted
Bred Holstein Heifers
due now-August
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c/o Lancaster Farming
Lititz, PA 17543

Wanted - Herd of Holstein cows to be moved soon. H. Haymen, Box 145, Codorus, Pa. 17311.

"DURAFLEX" Ear Tags 25¢. No tools needed. Special: 50 tags $10.00. Box 363, Janesville, WI 53545.

Lovely purebred Arabian mare, 6 yrs., gray, drives single and double, just started on saddle, asking $1500; purebred Arabian gelding, 4 yrs., gray, small, would make an excellent mount for young children, no reasonable offer refused. Farm located east of Reading. Horses may be seen by appointment. 215-683-7383, 8-5 weekdays only.

For Sale - One Agstar sow castle model SC-1232-6, 1 yr. old, $9500. Ph. 301-833-1847.

Chinianas - The Keys to the Future. For Sale - 100 registered half blood cows, 3 and 4 yrs. old, some with ¾ bull calves $500 and up for cow and calf. Bartic's Beautiful Bounty Farm, 4124 Beckleysville Rd., Hampstead, Md. 21074. 301-239-8228 home, 301-837-7773 office.

Stud Service - Registered Morgan 3 years old, dark chestnut, white forehead, one white leg. Urie P. Stoltzfus, Myerstown RD 1, Box 310, Pa. 17067.

For Sale - 2 standardbred horse, one 5 yr. old & one 8 yr. old, family broke; sound carriage horses, stand 17 hands. Ph. evenings from 5 to 9 215-857-3407.

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For Sale - Registered Holstein cow out of ABC Ivanhoe bull, coming with calf on September, $600. Write to Aaron E Hostetler, R D. 1, Box 95, Turbotville, Pa. 17772

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Registered dairy goat kids, 4 weeks old, good milk lines $50. 215-381-3227 (Palmerton, Pa.)

Complete herds of Holstein cattle, 1 has 75 head other 38, average 60 lbs. per day per cow in milk, now shipping a ton a day with many early fall cows. 717-866-4208, S.K. Norman, RD 1, Lebanon, Pa.

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For Sale - Simmental breeding cattle, ½, ¾, 7/8%. York Co, 717-266-2867.

For Sale - Yorkshire Service Age Boars and Open Gilts free from mycoplasma pneumonia and atrophic rhinitis. Red Run Farm, Route 2, East Berlin, Penna. 17316. Phone 717-292-4634.

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For Sale - 3 in 1 Angus cattle - purebred cows with calves and rebred; also heifers and two bulls. 717-938-3257.

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For Sale - Charolais feeders, 5 steers, 5 heifers, pure white. 5 Holstein steers ready for pasture, $275 each. 717-273-2331.

For Sale - Two Registered Saanen buck kids. Dam from National Milk Production winners. $50 ea. Ph. 717-354-8042.

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For Sale - Open Holstein heifers, 8-12 months old, sired by Bootmaker Son. Ph. 717-442-8134, no Sunday calls.

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LIVESTOCK & SUPPLIES

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For Sale - Feeder Pigs. We aim to please. We moved to Area Code 304-536-2823.

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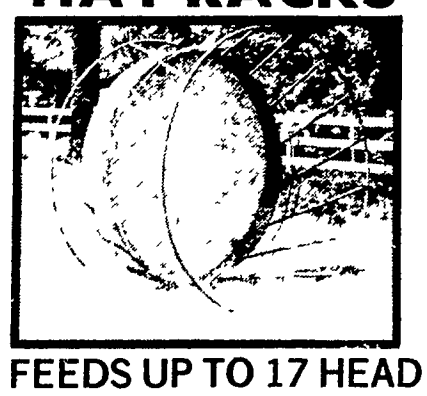
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Delivered within 100 mile radius of Harrisburg, in 15 ton loads
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For Sale - Sweet potato plants, 5 different kind. Samuel S. Glick, Bird-in-Hand, PA along Monterey Rd.

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Hauling Hay, Straw and Livestock. John Cresswell, 717-786-2487.

Exterior painting, do houses & spray painting at very reasonable rate. Ph. 717-656-8003 or write E.B. Stoltzfus, 61 Hess Rd., Leola, Pa. 17540.

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RD 2, Newville, PA
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Whitewashing and air cleaning of dairy barns, horse barns, etc. Serving Eastern Pa. & New Jersey. Write to Robert Wenner, Box 224, Point Pleasant, Pa. 18950 or Ph. 215-297-5203.

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Carpenter work. Will build houses, pole barns, cow & horse barns, chicken houses. Will do block and concrete work and lay stone. Write Samuel S. Lapp, Christiana, Pa. Box 388, 17509. Call driver 717-529-6674.

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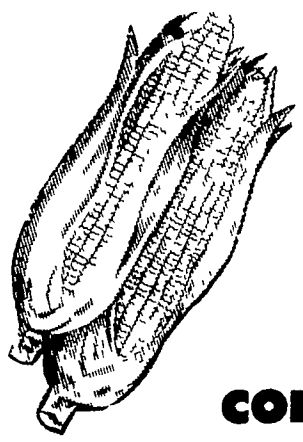

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HELP WANTED

FARM EQUIPMENT OPERATOR - Experience desired, Chester County 215-269-3494.

Experienced person for working with horses, beef, and cattle 5½ days a week, references required. Applications now being accepted at office daily 8:30 - 5:00 717-252-1525, Lauxmont Farms, RD 1, Wrightsville, PA 17368

Wanted - Experienced pipeline milker - Herdsman for 80 Holstein cows, also knowledge of running farm machinery. References required, wages, housing, utilities and other benefits. 215-588-2782 after 6 P.M.

Experienced man for dairy and field work, housing and privileges, references required. 215-869-2527.

Wanted - Experienced dairyman to help milk and take partial responsibility for 200 Holsteins. Good herd, good wages and good living conditions, also need general duty man for relief milker and outside work. Writing stating age, experience, starting date, family size, wages expected and telephone number - Lee Sparks Dairy, Mountville, South Carolina 29370.

Married man wanted to work in milk parlor, recent references required, housing available, salary negotiable, 5 day week 215-767-4827 after 8 P M

The possible dream - $40,000 per year, your own business Mondays only 717-859-3348.

Wanted - Assistant manager for beef operation in Easton, NY Must be able to AI, do general vet care, run equipment, get along with men and like cattle 914-631-1154 after 8 P M

HELP WANTED

Poultry man (married) for new broiler houses in Lancaster area. Living quarters including utilities, salary plus benefits. Dependability foremost - experience secondary. Reply to P.O. Box 366 M-54, c/o Lancaster Farming, Lititz, Pa. 17543.

SPECIAL NOTICE - Will the lady who answered my ad for a farm worker call or write again. Person for general farm work with draft horses, salary, room and board. Charles Shafer, Jr. RD #3, Box 173, Williamsport, Maryland 21795. Phone 301-223-9034.

Wanted - A man who would like to work with herd of Registered Guernseys in Penna. Very little field work. Send resume to Box 366-J42, c/o Lancaster Farming, Lititz, Pa. 17543.

Man wanted to work on dairy farm south of Oxford. 215-932-9516.

Help Wanted - Qualified personnel with plumbing & electrical experience, enjoys service work. Farming background preferred, good wages & benefits. Call between 7 & 5, 717-626-1151.

Experienced field crewman, housing available. Roy O. Christman. Ph. 215-562-7218.

Wanted - Qualified person with refrigeration knowledge and experience in installation for service in bulk milk tanks. Person should enjoy service work. Good wages and benefits. Call between 7 & 5, 717-626-1151.

Man wanted for general farming and beef fattening operation, excellent chance for young man waiting to start farming Harold J. Dietrich, RD 1, Box 98, Richland, Pa 17087 Ph 717-933-4940

HELP WANTED

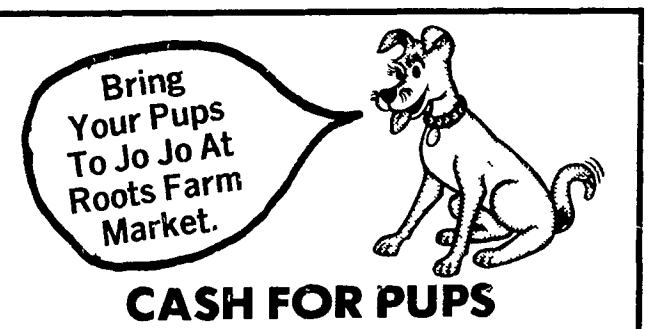
Dependable person for delivery and plant, agriculture interest, truck driving experience. Apply Moyer's Chicks, Inc., 266 E. Paletown Road, Quakertown, Pa. 18951.

Position for person with ability to manage people and assume responsibility, mechanical interest. Apply Moyer's Chicks, Inc., 266 E. Paletown Road, Quakertown, Pa. 18951.

MECHANIC WANTED - Experienced in farm equipment and truck maintenance, welding experience helpful, new one-man shop, housing available, Chester County 215-269-3494.

EXPERIENCED HERDSMAN
Honey Brook Area
80 Holsteins, 4 bedroom home, benefits, vacation, references required.
Write Box 366 L-30
c/o Lancaster Farming
Newspaper
Lititz, PA 17543

PETS



CASH FOR PUPS
I need Purebred and cute mixed litter lots, 6 to 8 weeks old Clean and healthy Contact "Jo Jo The Dogman" at Root's Farmers Market, RD1, Manheim, PA Every Tuesday 6 p m to 9 p m
No Phone Calls

Wanted - Siamese kitten. Will provide excellent home. Call 717-626-2191 until 5 P.M. or 717-569-7485 after 7 P.M.

Australian cattle dogs (Queensland Blue Heelers) Reg. NSDR. 301-836-2246.

WANTED TO BUY
Puppies, 7 to 9 weeks old, in litter lots. Pure breeds and half breeds. Cash money paid. Will pickup every Wednesday. For resale in my pet shop. Write to Charles Hackett, 3743 N. 5th Street, Philadelphia, PA 19140 or call before 8 p.m. Mon., Tues., & Thurs. only 215-229-0449. Give breed-age-color when writing. Also some kind of direction. Thank you.

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Experienced, educated and reliable young married man desires employment. B.S. degree in Animal Science, have worked with horses, beef cattle, feeder pigs and dairy cattle, AI and herd health experience. Presently herdsman for 75 cow dairy, responsible for all phases of maintaining all of the livestock, Willing to start at any level, if advancement is possible. present employer is dispersing herd. Available late August. 814-237-0176 after 7 P.M. or write Box 366 M-55, c/o Lancaster farming, Lititz, Pa. 17543.

Wanted - Someone to develop trailer court or camper park. Land owner will share responsibility. Write P.O. Box 366 M-56, c/o Lancaster Farming, Lititz, Pa. 17543.

Woman desires part time farm work in exchange for house or apartment, within 20 miles of Ft. Washington, Pa. 215-489-1722.

For Sale - Man with van and building experience looking for Amish crew to drive for. Roger A. Malnick, 94 E. Brook Rd., RD 1, Ronks, Pa. 17572.

PETS

For Sale - Purebred Australian cattle dog puppies, proven working stock. Ph. after 5 p.m. 609-769-0542.

TRUCKS

For Sale - 64 Ford 1 ton horse truck, new bed, saddle compartment over cab, $1000. Ph. 814-784-5893.

1972 Chev. ¾ ton pickup equipped w/Cheyenne package, p.s., p.b., V8 350, auto., new carpet, new paint, good running order, current inspection, asking $1900. Ph. 717-866-5692.

For Sale - Divco refrigerated truck with ice banks, in working condition with new inspection sticker. Ideal for market or road side stand $500. 215-267-5059 or 717-733-0703.

For Sale - 1964 Ford Super Duty F700 18' flatbed with mounted 300 bu. gravity box. Will sell separate, good condition, reasonably priced. Ph. 717-739-4645.

For Sale - 1964 Diamond T chassis and cab, 21,000 GVW, 102" CA, suitable for 14' body, good farm truck, runs good, 4 new lug tires in rear, best reasonable offer. 215-484-4998.

For Sale - 72 Chevy lime truck & trailer, 427 engine, tandem, new hydraulic body, good condition. Ph. 717-786-7229.

For Sale - 77 Dodge ½ ton pickup, 6 cyl., 3 spd., PS, $3450; 76 Ford F150 ½ ton pickup, 6 cyl , 3 spd., PS, uses regular gas, $2995. Ph. 717-859-3291.

For Sale - 1965 D500 Dodge truck 21,000 GVW 14' grain body, hay rack, good condition $2,000 00 or best offer 717-943-2312

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'78 Ford 150 Pickup, Brand New, Loaded! **$10,100**

'77 Jeep Wagoneer, With Power Angle Plow, V8, Auto , PS, PB, Fact Air, AM FM Stereo, Cruise Control **$7295.**

'76 GMC Jimmy, V8, Auto , PS, PB, AC **$6495.**

'75 Ford ½ Ton Pickup, 360 V8, Auto , PS, PB, Radio, Explorer Package - **$5395**

'74 Chevy ¾ Ton Pickup, 6 Cyl , 4 Speed, PB, Locking Hubs, Step Side Body - **$4495.**

'73 Bronco, V8, 3 Speed, Twin Gas Tanks, Free Running Hubs, AM FM, 23,000 Miles **$4095.**

'73 Blazer, V8, Auto , PS, PB, Radio, 39,000 Miles - **$4895**

'72 Toyota Land Cruiser, 6 Cyl , 3 Speed - **$2995.**

'72 Blazer, 307 V8, 3 Speed, PS, PB, Free Running Hubs - **$4195.**

'70 Chevy ¾ Ton, Utility Body, V8, 4 Speed, PB, Radio - **$2895.**

'62 Int. Scout, 4 Cyl , 3 Speed, Locking Hubs, Like New - **$1895**

TRUCKS

'76 El Camino, V8, Auto , PS, PB, Air Cond , AM-FM, Tilt Steering Wheel - **$4895**

'76 Ford F-150, 6 Cyl , 3 Speed - **$3695.**

'75 Chevy ½ Ton Pickup, 6 Cyl , St Shift, AM-FM Radio, Low Miles **$3595.**

'75 Ford ¾ Ton Pickup V8, Auto, PS, PB, AC, AM Radio - **$4295**

'75 Ford 150 Super Cab, V8, A, PS, PB, Flip Down Seats In Rear, Explorer Package - **$4495.**

'74 Chevy Crew Cab, V8, Auto , PS, PB, AM FM, Air Cond , 8 Ft Bed - **$4995**

'74 GMC ½ Ton, V8, Auto , PS, 2 Tone - **$3595.**

'74 Ford ½ Ton Pickup, Ranger XLT, 390 V8, Auto , PS, AM-FM Stereo, AC, Black & White - **$3895**

'74 Ford Super Cab, V8, Auto , PS, PB, Fact Air, Low Mileage - **$4295**

'74 Chevy ¾ Ton Pickup, V8, Auto , PS, PB, AC, AM-FM Radio - **$4295.**

'73 El Camino, 307 V8, Auto , PS, PB, Air Cond , AM Radio - **$3695.**

'73 Ford ½ Ton Pickup, Ranger Package, V8, Auto , PS, Fact Air, Low Mileage - **$3795**

'72 Ford ½ Ton, V8, Auto , Radio, 2 Tone Paint - **$2995**

'71 Datson Pickup, 4 Speed, With Cap, Am-FM Radio, 1 Owner, 33,000 Miles - **$2195.**

'71 Ford ½ Ton Pickup, 302 V8, 3 Speed, Radio, Showroom Condition **$2995**

'71 Ford 1 Ton Pickup, V8, 4 Speed, Power Lift Tailgate **$2595.**

'70 Dodge ¾ Ton Camper Special, V8, 4 Speed, 44,000 Miles - **$2895.**

'70 Chevy ¾ Ton Pickup, V8, Auto , PB, Radio - **$1895**

VANS

'74 Ford F-600, V8, 4 Speed, PS, PB, Radio, 14' Body, 6½' High, Overhead Rear Door, Low Mileage **$4495**

'77 Dodge Royal Sportsman, 8 Pass , 360 V8, Auto , PS, PB, Fact Air, Radial Tires, Low Mileage **$7395**

'76 Dodge 5 Pass Van, V8, Auto , PS, PB, AM Radio - **$4995.**

'75 Dodge Customized Van, V8, Auto , PS, PB - **$4495.**

'74 Ford 5 Pass. Club Wgn , V8, Auto , PS, PB, 36,000 Miles **$3695**

'69 Dodge ¾ Ton, 6 Cyl , Straight Shift, 63,000 Miles **$1495.**

'69 Dodge Window Van, 5 Pass , 6 Cyl , Auto , SHARP! **$1495.**

MANY MORE TRUCKS & VANS TO CHOOSE FROM!

MIKE RHODES & CO.
Rt. 663 & Swamp Pike, Gilbertsville, Pa.
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AUTOMOBILES

Antique car, 1940 Chrysler Royal, new tires and tubes, good running condition 35,000 original miles, can be seen 3 miles north of Gettysburg. 717-334-6500 for location, $1000.

june is dairy month

AUTOMOBILES

AUTOMOBILES

TRUCKS

For Sale - 1968 GMC tractor, full screw 238 engine, 75% rubber. 717-925-2645.

AUTOMOBILES

AVOID THE PRICE INCREASE

Jack bought his huge 1.75 million dollar inventory before the recent price increase and now he's ready to save you money. Over $100,000 in savings being passed on to you.

THE MAN WITH THE DETROIT CONNECTION

Stock No 7024
1978 DODGE COLT $3485
BRAND NEW 2 door coupe Canyon red with white vinyl bucket seats 4 speed manual transmission 1600cc four cylinder engine white sidewall tires

Stock No 1078
1978 DODGE ASPEN $3733
BRAND NEW 2 door coupe Mint green metallic with black cloth & vinyl interior 3 speed on the floor 6 cylinder D78x14 black tires

Stock No 7065
1978 DODGE COLT $3883
BRAND NEW 2 door coupe Bright silver metallic with black vinyl bucket seats, automatic transmission AM radio white wall tires

Stock No 7532
1978 DODGE OMNI $4499
BRAND NEW 4 door hatchback, tapestry red sunfire metallic reclining vinyl bucket seats with premier interior & exterior packages, automatic, 1700cc engine AM radio Ralley wheels, white sidewall radial tires & much much more 5 in inventory to pick from

Stock No 6003
1978 DODGE MAGNUM XE $6624
BRAND NEW 2 door hardtop Classic cream with reclining leather bucket seats & folding down arm rests, automatic, V-8, power steering, power disc brakes, tinted glass air condition ing, light package cruise control AM FM radio with rear speaker vinyl body side moldings body side tape stripes colored keyed halo vinyl roof GR78x15 white sidewall radial tires

Stock No 5103
1978 DODGE ROYAL MONACO $4690
BRAND NEW 2 seat station wagon, jade green metallic automatic power steering, power disc brakes air deflector AM radio steel belted radial tires One of two remaining

Stock No 1032
1978 DODGE ASPEN $3983
BRAND NEW 4 door Pewter gray metallic with red vinyl interior 6 cylinder, 4 speed manual transmission with overdrive, D78x14 tires

Stock No 1059
1978 DODGE ASPEN $4118
BRAND NEW 2 door coupe Citron metallic Vinyl bench seat automatic transmission 6 cylinder engine power steering radio

Stock No 1048
1978 DODGE ASPEN $4358
BRAND NEW 6 passenger station wagon Mint green with green vinyl interior Radio 6 cylinder 4 speed manual transmission with overdrive F78x14 glass belted tires

Stock No 5038
1978 DODGE MONACO $4682
BRAND NEW SS 2 door hardtop Spanish gold metallic with gold vinyl bucket seats automatic power steering disc brakes inside hood release tri color body side tape stripes AM radio canopy vinyl roof with opera windows deluxe wheel covers white sidewall tires

Stock No 1043
1978 DODGE ASPEN $4369
BRAND NEW 4 door sedan Caramel tan with tan vinyl interior 6 cylinder automatic, power steering radio Deluxe wheel covers & white sidewall tires

Stock No 1017
1978 DODGE ASPEN $4549
BRAND NEW 6 passenger station wagon Augusta green sunfire metallic with green vinyl interior Torqueflite transmission 225 six cylinder engine power steering F78x14 black tires

Stock No 2129
1978 DODGE DIPLOMAT $4703
BRAND NEW 2 door coupe Caramel tan metallic with cloth & vinyl bench seats automatic power steering power disc brakes 225 cubic inch slant six engine with new 2 barrel carburetor AM radio FR78x15 white wall radial tires

Stock No 2005
1978 DODGE DIPLOMAT $5036
BRAND NEW 4 door Mint green metallic with green vinyl interior Torqueflite transmission power steering body stripe green vinyl roof AM radio FR78 glass belted radials

Stock No 2049
1977 DODGE DIPLOMAT $5200
Tapestry red sunfire metallic with gray cloth & vinyl interior 318 lean burn engine, power steering, torqueflite transmission light package tinted glass, air conditioning vinyl body side molding, silver vinyl roof F78x14 white sidewall radial tires

Stock No 4001
1978 DODGE CHARGER $5699
BRAND NEW SPECIAL EDITION 2 door hardtop Pewter gray metallic with burgundy bucket seats, automatic transmission 360 V 8, power steering power disc brakes AM FM radio Landau vinyl roof vinyl body side molding GR 78x15 white sidewall steel belted radial tires

SPECIAL SAVINGS ON MAXI-VANS
We are overstocked with brand new Dodge Maxi Vans but we bought em right so we can sell em right Standards and automatics
- Power steering
- Low mount mirrors
- Power disc brakes
- 318 Engines

Some have sliding doors some have hinge doors 31 IN STOCK AS LOW AS
$5264.84

Stock No 5020
1978 DODGE MONACO $4682
BRAND NEW 4 door sedan Pewter gray metallic with cloth & vinyl bench seats automatic 318 V 8 power disc brakes power steering AM radio and much more

Stock No 0140
1978 DODGE CLUB CAB $5284
BRAND NEW D 200 149 wheelbase 5 passenger pickup truck 318 V 8 standard transmission power steering power disc brakes dual low mount chrome mirrors 7 50x16D 8 ply tires 7500 lb GVW Bright canyon red Burns any type gas

Stock No 0016
1978 DODGE D-200 PICKUP $4994
BRAND NEW 131' wheelbase Sweptline ¾ ton pickup 8 box 318 engine, automatic transmission power steering power brakes dual low mount mirrors (bright) spare wheel 7500 GVW (burns any type gas)

Stock No 0052
1978 DODGE D-150 PICKUP $4261
BRAND NEW 131' wheelbase Sweptline 8' box Slant 6 cylinder with 2 barrel carb power disc brakes manual transmission 6100 GVW package (burns any type gas)

Stock No 0039
1978 DODGE D-150 PICKUP $4489
BRAND NEW 131' wheelbase Sweptline 8 box 226 six cylinder automatic transmission power steering 6100 lb GVW (burns any type gas)

Stock No 0003
1978 DODGE D-150 PICKUP $4603
BRAND NEW 131' wheelbase Sweptline 8' box 318 engine 4 speed, power steering, H78x15 black tires, 6100 lb GVW (burns any type gas)

Stock No 2019
1978 DODGE DIPLOMAT $5562
BRAND NEW 6 passenger station wagon charcoal gray sunfire metallic complimented with simulated wood grain and burgundy vinyl interior automatic transmission power steering power disc brakes AM radio radial white sidewall tires and much much more

Stock No 0818
1977 DODGE MAXIVAN $5267
BRAND NEW 127 wheelbase B 300 318 engine automatic transmission power steering power brakes side & rear windows, dual low mount mirrors passenger seat The last of the '77 B 300s in stock

Stock No 0254
1978 DODGE W-200 PICKUP $6097
BRAND NEW 131" wheelbase Sweptline ¾ ton pickup 8 box 318 engine 4 speed manual transmission power steering power brakes dual low mount mirrors (bright) mud and snow tires, spare wheel 8000 GVW (burns any type gas)

Stock No 0246
1978 DODGE B-100 VAN $4811
BRAND NEW TRADESMAN 109" wheelbase Rear windows only sliding side cargo door 318 V 8 bucket seats power front disc brakes 4600 lb GVW package Bright tan metallic

Stock No 0840
1977 DODGE B-200 VAN $4737
BRAND NEW 127 wheelbase Tradesman Van 318 engine 6100 lb GVW (burns any type gas) power steering power disc brakes 2 bucket seats spare wheel

Stock No 0290
1978 DODGE POWER WAGON $5829
BRAND NEW W 150 four wheel drive 131' wheelbase 318 engine automatic power steering power front disc brakes 6100 lb GVW package (burns any type gas) mud & snow tires

Stock No 6006
1978 DODGE MAGNUM XE $5581
BRAND NEW 2 door hardtop Black with vinyl bucket seats Torqueflite transmission 318 engine AM FM radio Landau vinyl roof (tan) louvered rear quarter windows

Stock No 0283
1978 DODGE POWER WAGON $5790
BRAND NEW W 150 FOUR WHEEL DRIVE 115' wheelbase Power disc brakes power steering automatic, mud and snow tires 6100 lb GVW package (burns any type gas) Light tan

Stock No 3084
1977 DODGE B-300 $6818
BRAND NEW SPORTSMAN V 8, automatic transmission, power steering power brakes, tinted glass air conditioning 36 gallon fuel tank AM radio cigar lighter dual low mount mirrors 12 passenger seating Harvest gold

Stock No 3005
1978 DODGE MAXIWAGON $8149
BRAND NEW SPORTSMAN 318 engine automatic transmission, power steering power brakes tinted glass, air conditioning, 36 gallon fuel tank 8 passenger seating, 2 tone paint deluxe wheel covers heavy duty front springs Royal Sportsman package Burns any type gas

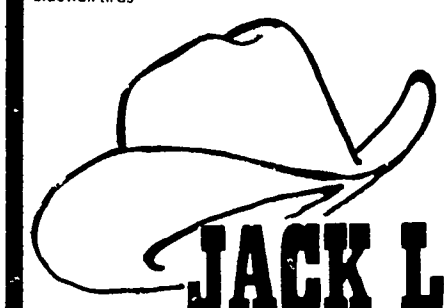
Stock No 7001
1978 DODGE CHALLENGER $5487
BRAND NEW 2 door sport coupe Spit fire orange with cashmere plaid bucket seats, automatic transmission, AM FM radio radial tires road wheels, digital clock overhead console tachometer On the showroom floor ready for delivery

Stock No 1123
1978 DODGE ASPEN $5257
BRAND NEW 4 door sedan Augusta green sunfire metallic green vinyl bench seats automatic power steering power front disc brakes, economical 225 slant 6 cyl with new 2 barrel carb, electric rear window defogger a/c tinted glass, deluxe wheel covers cigarette lighter white wall tires FREE WITH PURCHASE OF THIS MODEL FACTORY INSTALLED AM RADIO WITH 40 CHANNEL CB WITH POWER ANTENNA

Stock No 7068
1978 DODGE COLT $5019
BRAND NEW Completely new designed and restyled station wagon canyon red with red vinyl bucket seats 4 speed manual transmission economy 4 cylinder engine intermittent wipers and rear wiper vinyl body side molding luggage rack AM radio ralley wheels with wheel trim rings and radial white wall tires tripodometer and much more standard equipment

Stock No 0502
1978 DODGE POWER WAGON $5882
BRAND NEW W 150 4 wheel drive 149 wheelbase Club Cab 318 V 8 engine power disc brakes power steering mud & snow tires 6100 GVW package (burns any type of gas) Medium blue metallic with blue vinyl interior and 2 flip type auxiliary seats

Stock No 3526
1978 DODGE RAMCHARGER $6395
BRAND NEW 4 wheel drive 106 wheelbase 318 V 8 power disc brakes power steering steel removeable hard top 6100 lb GVW package (uses any type of gas) Bright canyon red with red vinyl bucket seats and a rear bench



JACK LOWRY
JERSEY SHORE, PA.
Phone 398-1590

detroit connection

TRUCKS

For Sale - 1 Unisteel aluminum 16 ft. van truck body and hydraulic lift gate $900. Charles Marshall, White Hall, Md. 301-357-8266.

For Sale - '75 International ton truck, 10 foot cattle body. Phone 717-289-4591

Chev, Ford & IHC 16 to 20 ft. grain dump trucks from $3000 to $9500; 74 Ford Tandem 26 ft. Roll back imp. body $12,500; 72 IHC diesel Tandem roll back $9500; 70 IHC 24 ft. roll back $5900; 71 Ford F350 with 14 ft. roll back $5500; Also Cab & chassis, Vans etc. Dump Trailers; truck tractors - $2500 up; LOG SKIDDERS: John Deere, Tree Farmer & Timberjack from $5500 to $10,500; 9500 Long Farm Tractor (95 h.p.) $5500. Ottawa Bob Cats from $2500 up.
Curry Supply Co.
Curryville, Pa.
814-793-2829.

HOUSEHOLD GOODS

"Alaska Kodiak" wood stoves, discount, no tax to Dela. and Pa. Call for free literature, B & B Stoves, 301-398-3060.

For Sale - 1 gas refrigerator, very good condition. 215-754-6451.

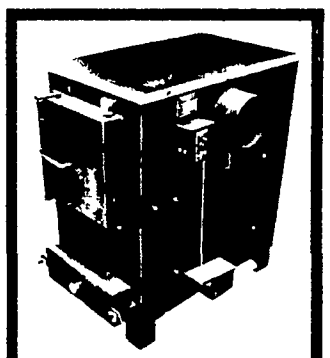
MISCELLANEOUS

For Sale - Wood burning cook stoves. Choose many colors. Also, FISHER HEATING STOVES. Earl Cole, RD 2 Oxford, Pa. 19363. 717-529-2740.

For Sale - Used Norge, Servel and Whirlpool gas refrigerators - reconditioned cooling units available for most gas refrigerators. Also reconditioned Maytag engine washers.
MYER'S GAS REFRIGERATION
RD 1, Leola, Pa.
Ph: 717-656-7169

Custom made storm windows and doors, aluminum windows and doors for milk house and dairy barns. Ceramic tile (seconds) for cow stable troughs.
ESCH FLOOR COVERINGS
¼ mile N. of Bird-in-Hand on Beechdale Road

For Sale - Cypress boards, all sizes & lengths. Good for paneling, fencing & siding. Ph: 215-268-3263.



Riteway
HEATERS
IN STOCK NOW!
Model 37 Coal & Wood Combination
Model 2000 wood only
Both heaters are thermostatic controlled.
Also furnaces and boilers available
Write for summer prices.

STOLTZFUS HARNESS SHOP
Honey Brook RD1
Box 13, Pa. 19344
1st farm out of town along Broad St.

MISCELLANEOUS

Dried Saw Dust For Sale - By the truck load, delivered anywhere, will deliver for horses and dairy. 717-529-2855.

NEED TOOLS? Check our prices at Root's Country market & Green Dragon Market. Farm, garden, masonry & carpenter tools. Shovels, forks. scrapers, brooms, rakes, hoes, wheelbarrows, 300 & 400 lb. carts, axes, mauls, sledges, wrenches, hammers, pliers, drills, heaters, handles, batteries, tin grass & hedge shears, knives & many other items. Kings Hardware.

For Sale - Clay 800 gal. honey wagon, ½ yrs. old, $2850. 717-354-0484.

For Sale - Taylor 20 qt. batch hard ice cream freezer, excellent condition. JD 14T baler. Adamstown 484-4159.

For Sale - 73 Jayco camper, 24 ft. with 13 ft. awning, shower and all facilities. 717-354-7021.

For Sale - Tandem Axle car trailer, 8'x16' tilt bed, electric brakes on both axles. Very sturdy built. Phone 717-539-8407.

Custom built kitchen cabinets, clocks and vanities. Stop in and get a free estimate. Ivan Fisher, at the Gordonville Book Store.

For Sale - Sharpening Machines, Belsaw filer and setter, State sharpening machine, bedknife sharpener, Ideal reel sharpener large, Ideal reel sharpener small, Foley lapping machine, Belsaw reel-reel sharpener. 717-944-1378.

For Sale - Tandem Axle car trailer, 8'x16' tilt bed, electric brakes on both axles. Very sturdy built. Phone 717-539-8407.

For Sale - 8' locust posts, 75c - $2; corn cribs; garden cultivator tractor; 16" 2 bottom trail plow & pull around corn elevator. PH. 717-284-2344.

For Sale - Poplar, oak and birch lumber (green), slabwood and sawdust. Moyer and Light Sawmill. Ph. 717-865-3822 or 665-6123.

Wanted - Rim for rear wheel or full rim with tire for Farmall H tractor. Ph. 215-274-8582.

For Sale - 2nd silo blocks 3-5/8"x10"x30" tongue and grooved, good for patios, sidewalks, retaining walls, steps, bins, etc. 75c each - 100 or more 65c each. Not for use in silos. 717-733-1206.

Sale On
KNAPP SHOES
Style K77
6" Farm shoe
or Style K5
6" Work shoe
Reg. $31.99
$27.99 Choice
In June
Send size or contact:
MICHAEL S. LAPP
RD 3 Box 235
Quarryville, PA 17566

MISCELLANEOUS

Wanted To Buy - Kiln dried wood shavings. Species needed - cedar, white pine, soft & hard maple, bass wood & poplar. Oak & cherry not accepted. Any size quantity considered. (Bulk only.) Full payment on pickup of each load. Write P.O Box 366 L-46, c/o Lancaster Farming, Lititz, Pa. 17543.

For Sale - Good western saddle, $60. Bob Royer, 1409 Prescott Rd., Lebanon, Pa. 17042 Ph 717-949-3960.

For Sale - Used milk cans for decorating, $35 apiece. Delivered if 10 or more are bought. Phone 717-673-8239.

MISCELLANEOUS

DELAWARE BAY
TROUT FISHING
Mistillion Light House Marina 30' twin engine charter boat
Milford Delaware
301-885-5088
301-885-5592

FOR SALE
Top Quality Coal
Best Prices
Barley Coal
49¢ a ton
Immediate Delivery
Ph. 717-626-6569

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle.
MARLIN S. IRWIN
Quarryville, PA.
Ph: 717-786-3016

REAL ESTATE

For Sale - 100 acre farm, Wyoming Co. For enjoyment & security, beautiful home with attached 2 car garage plus workshop, nice barn, flat tillable land, woods, close to town, low taxes. Must retire, priced to sell. Ph 717-869-1835.

Horse Owners!! House, small barn, loft, garage, solid corral, near trails, Schuylkill Co. $14,900 717-274-1939.

Farms For Sale - Finger Lakes Area, New York State. Dairy or cash crops. Patchen Real Estate. For appointment only Russell Thorn, Salesman, 649 Marengo Rd., Clyde, NY 14433 Ph 315-923-7464

Family would like to buy land near Quarryville, PA. Partially wooded to build a single home, reasonable price 717-684-5950

138 ACRES - presently a hog farrowing & fattening operation Full set of buildings, stream through farm. Southwestern end of county. BAUGHMAN-LEADER, INC. 741-3805 or 854-1975 (1067)

CHESTER CO. - For Sale By Owner - 95 acre farm, stone house with 9 rooms, 2 baths, bank barn, grist mill, work shop, implement building, grainery, corn crib, chicken house, fenced pasture with 2 streams and 2 ponds, fruit trees Will sell buildings and 18 acres as farmette and 77 acres separately. RD 3 Oxford, Pa. 215-932-4695.

Send For Your Free Catalog of Tioga County Properties - Wm. P Connolly Real Estate Corp , P.O Box 467, Wellsboro, Pa. 16901. 717-724-2565.

For Sale - 39 acres, approximately 25 tillable, balance pasture and woodland with stream in Cumberland Co , 6 miles north of Newville near Blue Mt Will sell any amount John M. Stoltzfus, Narvon RD 2, Pa Box 280 17555.

YORK CO - APPROX 6 MILES FROM NORMAN WOOD BRIDGE 24 acres m/l with small stream $34,900 BAUGHMAN-LEADER, INC 717-741-3805 or 862-3869 (1071)

Jacks Mountain Land from $600 per acre in 10 acre lots, 10 miles from Raystown Dam Bordering State Game lands Private Ph 814-542-8586

REAL ESTATE

For Sale - 143 acre dairy farm in Adams Co. with 3 silos and remodeled home. Ph. 717-354-9136.

For Sale By Owner 108 acre dairy farm in Schuylkill Co., large house, new implement shed, 34 stalls, large silo with unloader, barn cleaner, bulk tank, meadow with stream. Ph. 717-354-7739

Wanted to Rent with option to buy - Approx. 300 acres, location in or near central, Southern, Pa. or Va. Barn, free stall operation preferred for 100 milking herd, house 3 BR. We have full line of equipment & milk cows. Lease expires April 79. Write P.O. Box 366 L-44, c/o Lancaster Farming, Lititz, Pa. 17543

Schuylkill Co - General store, home, garage, along Rt. 25, 12 miles West of I-81, new wiring, plumbing, thermo windows, other remodeling, priced in 30's Tourist area, job expansion. 814-234-3384, owner.

Wants to Rent with option to buy or land contract - 150 to 200 acres, good fertile soil, 60 cow barn, needed April 1 1979. Write P.O. Box 36 L-36, c/o Lancaster Farming, Lititz, Pa. 17543.

Here's The Place
Do some farming on 80 acre spread in Penna. 50 fertile acres for crops. Good 4-bedrm. home. 40x60 barn plus hog house, two sheds. Orchard. Along major highway, 2½ miles out. $90,000. STROUT REALTY, Inc., 23 N. Main St., Lewistown, Pa. 17044. (717) 248-4144. Res , 543-5554. Free Local Lists.

REAL ESTATE

For Sale - 12½ acre river front farm - 4 bedroom brick, large barn, other outbuildings. Enjoy fishing & boating on Juniata River. Farm house needs some work but a real bargain at $35,000 Ph. 814-542-8586.

For Sale - 80 acres mostly wooded with good timber potential. Balance is 10 acres of tillable land presently in hay. Nice creek and excellent hunting Hard top road frontage gives access to this Greenwood, NY hideaway. Priced at $16,000. Peter A. McKenna, Dryden Hill Rd., Greenwood, NY 14831. 607-225-4256.

For Sale - 132 acre farm - large 4-5 bdrm. house, barn, and outbuildings. 60 acres tillable land, 20 acre woodlot with good timber. All gas and mineral rights, good for raising horses, heifers or children. Located in Rexville, NY and offered at $55,000 by Peter A. McKenna Real Estate Broker, Dryden Hill Rd., Greenwood, NY 14839. 607-225-4256.

For Sale - Luzerne County. 204 acre cattle feeding farm, 200 head confinement barn, 400 head bunk feeder shed, 5 Harvestores with auto. feeding equipment, bunk feeder mixer truck, machinery barn, 4 bedroom, 3 bath all electric home, beautiful view, 3 ponds, great hunting, 1900 ft. air strip. Call 609-829-2600.

Proof of the soil is the kind of crops it produces. So see and judge these 58 acres now! Best farming soil type in Berks County. 2½ story stucco stone home, 9 rms., 5 bdrms., bank barn & outbuildings, 3,000' frontage. $200,000. Call FARM AND HOME REALTY, Bally, Pa., 215-845-2336, Res. 367-6204.

80 FARMS
Iowa – Minnesota
Up to 2100 A.; corn, beans, cattle, hogs, dairies, unimproved. Call collect for particulars (early A.M. or evenings) 515-736-4682 or 515-736-4464. Save for reference.
MOUW REAL ESTATE
St. Ansgar, Iowa 50472
"Own The Good Earth"

For Sale By Owner - A 10 room house with large barn and small farm. House has almost new kitchen and two baths and main floor laundry room and large storage room Excellent water supply Perfect for the large family. Phone 315-946-4332.

For Rent - Pasture, Quarryville area. 717-786-2975.

FREE CATALOG!
Free New Summer Catalog! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF-6, WEST REAL ESTATE AGENCY, INC., 2728 Murray Ave., Pittsburgh, Pa. 15217.

VEAL FARM
500 CALF CAPACITY
Modern cement block building, lagoon for manure, beautiful 5 bedroom home with city water, in ground swimming pool
Ready to go
Priced $235,000 with $75,000 cash.
RURAL REALTY
Venice Center NY 13161
Toll Free 24 Hr Service —
Out of NY State 800-448 4511
In NY State 800 962 1480

REAL ESTATE

For Sale - 55 acre farm on the edge of the Furnace Hills & bordering the Segloch Creek between Brickerville & Hopeland in Northern Lancaster Co. Stone house, bank barn, two large cattle feeding buildings, other outbuildings, some woods & a large pond. Perfect for conversion to a horse farm. $300,000. Ph. 717-397-6292 or 717-626-2489

Dairy Farm For Rent - 300 acres, barn 60 stalls, bulk tank, barn cleaner, trailer site, mail inquiries to J Clark, Box 473, Mansfield, Pa. 16933

For Sale - 40 acre Greyhound Farm, handle 100 dogs, all training equipment, training track, etc Large kennel complex 350' runs. 3 acre stocked spring fed lake, near Montrose. Asking $70,000. Call Jack Parsons 717-553-2561

REAL ESTATE

DELHART, TEXAS - A GREAT PLACE TO GROW CROPS AND KIDS. Buy irrigated farmland starting in the $750 per acre price range and grow 150-200 bushel corn. Pay 50 cents-$1.00 property tax per acre. NO STATE INCOME TAX. Mild winters, 178 day growing season, and excellent local grain market. Friendly community and good school system. Free brochures available: Call collect day or night. 806-249-5613, 806-249-4000. Mike Justice & Associates, Box 501, Dalhart, Texas 79022

LEASE QUALITY DAIRY CATTLE
Various plans available.
Call or Write:
Dairy Farm Leasing
1700 Dupont Ave. South
Minneapolis, Minn. 55403
612-377-1489

REAL ESTATE

Dairy Farms For Sale - Finger Lakes area of New York. Patchen Real Estate, Lee Patchen, Realtor. For appointment only call Russell Thorn, Salesman 315-923-7464.

Tioga County - Nice 100 yr. old farm house w/5 bedrooms, eat-in kitchen & barn on 4½ acres. Private setting, 6 miles from Mansfield. Attached apartment for additional income. Immediate possession Call after 5 P.M. 717-549-5882.

LYKENS VALLEY
114 ACRES
with 10 room home, bank barn, implement shed, gravity fed water & stream. Ideal for dairy or general farming. Financing available, $125,000.
717-362-9596

NEW YORK STATE
WORKING DAIRY FARMS
FOR SALE

250 ACRES:	Barns has 60 cow capacity. 2 silos. 5 bedroom house. Artesian well. Price $135,000 with $50,000 cash.
530 ACRES:	250 tillable. Barns hold 125 milkers plus young stock Milking parlor. 3 silos. Price $220,000 with $40,000 cash.
230 ACRES:	175 tillable. 56 cow barn DeLaval pipeline. 3 silos. Shop. 2 story home. Price $170,000 with $55,000 cash.
250 ACRES:	190 tillable Honeyoye soil. Barn for 100 head. 2 silos. 2 family house. Price $245,000 with $55,000 cash.
250 ACRES:	35 cow barn. 10 room house. Stream. Price $180,000 with $45,000 cash.
226 ACRES:	Honeyoye soil. 50 tie stall barn. 3 silos. New Morton building. Shop. 14 room house has unique kitchen with lots of extras. Year round stream. Pond. Price $120,000 with $63,000 cash.
360 ACRES:	50 cow barn. 5 bedroom house. Price $139,000.
90 ACRES:	60 cow barn. 6 bedroom house. Pond. Streams. Price $90,000 with $25,000 cash.
127 ACRES:	57 cow barn. Pond. Stream. 6 bedroom house. Price $88,000 with $22,000 cash.

HAVE MANY OTHER FARMS. 100 TO 1000 ACRES. ALL PRICES.

RURAL REALTY
Venice Center, New York 13161
Call Toll Free - 24 Hour Service
Out of New York State 800-448-4511 In New York State 800-962-1480

IF IT CAN BE SOLD

FISH REAL ESTATE
357 Market Street
WILLIAMSPORT, PA
326-1561

CAN SELL IT!!

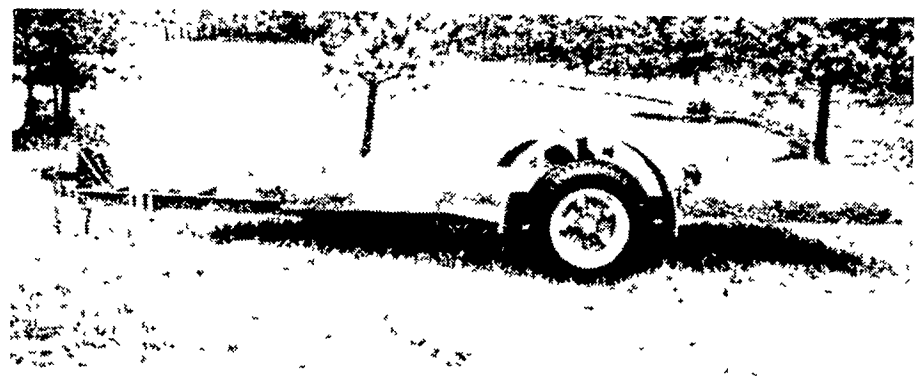
COLUMBIA COUNTY - Greenwood Township
Excellent farm for crops, livestock or dairy farming consisting of 163 acres more or less, with 147 acres tillable This farm features (2) large homes with (2) sets of farm buildings, large bank barns, silo and miscellaneous buildings All buildings are well maintained Tillable ground lays very nicely and is highly productive Excellent spring water. Property located in farming area. Owner financing available - priced at $280,000 00 Call 717-745-7200 Bernard Rell or 717-323-0525 Luther Fish.

LYCOMING COUNTY
RD #1 Trout Run - 116 acres more or less
General Farm - can be used for farming or recreation overlooking scenic rolling country side Sturdy 2-story, 6-room home and large bank barn and miscellaneous building. Approximately 70 acres are tillable and 45 acres woodland This farm borders Pa Gamelands Reasonably priced at $109,000 00 with owner financing available Call Daryl Lundy 717-326-2714

CLINTON COUNTY - woodland
Ideal for that rustic cottage you have been waiting for - 30 acres more or less of rolling wooded country side with frontage on hard-top road All the beauty of the wilderness plus exceptionally good hunting and fishing in the area and located just several miles from the Village of Woolrich Priced at $18,500 00 it will buy you this exceptional location Call Bernard Rell 717-745-7200

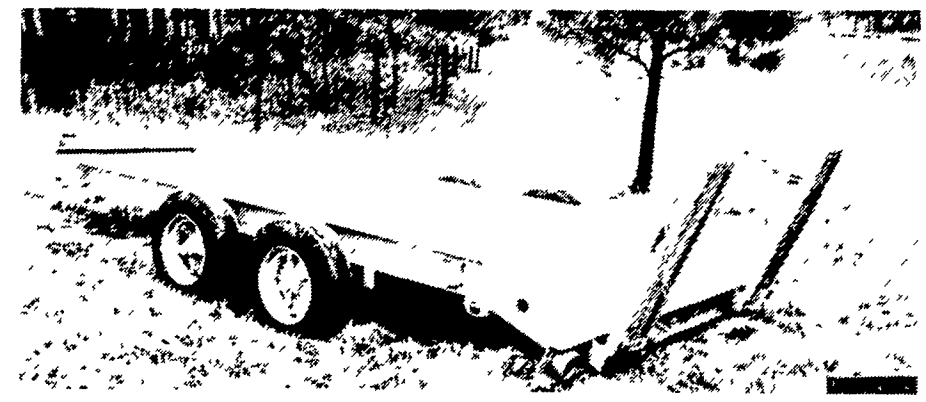
PLANNING TO SELL YOUR FARM in Central Pennsylvania??
Selling a farm involves a thorough knowledge of soils, crops, livestock and most of all financing
Fish Real Estate has extensive farming, agricultural and financing experience which has been developed into a professional farm sales program If you thinking of selling, we would appreciate the opportunity of meeting with you with NO obligation - for more information please feel free to call or write our office, or any Sales Associate

SPECIAL CLEARANCE ON NEW TRAILERS



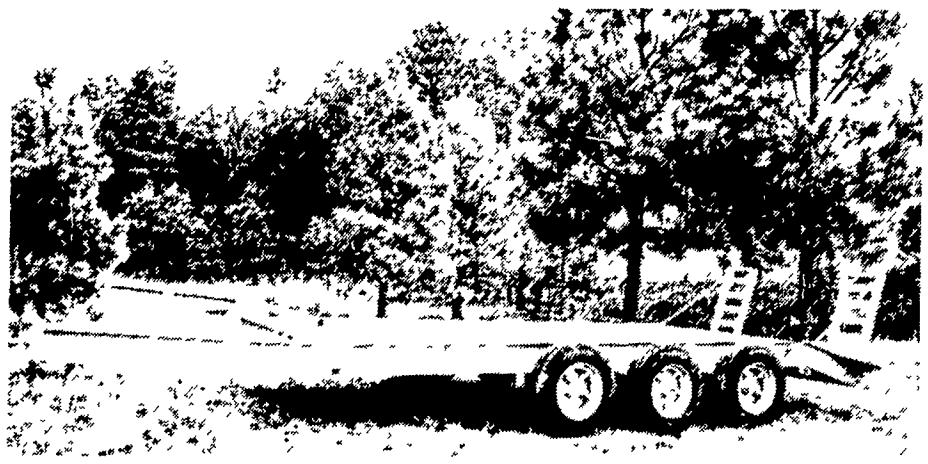
HUDSON HD12 TRAILER

6,000 LB., TILT TOP METAL FLOOR **$1600**



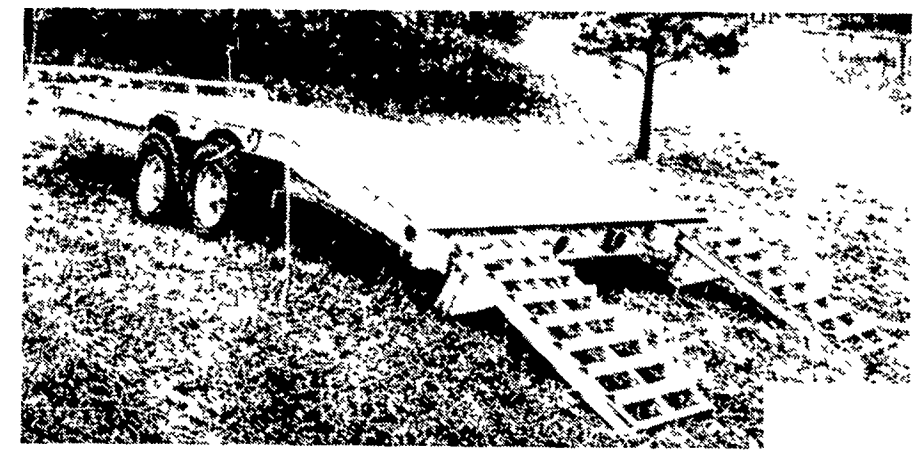
HUDSON HSE14

8,000 LB. RAMPS **$1450**



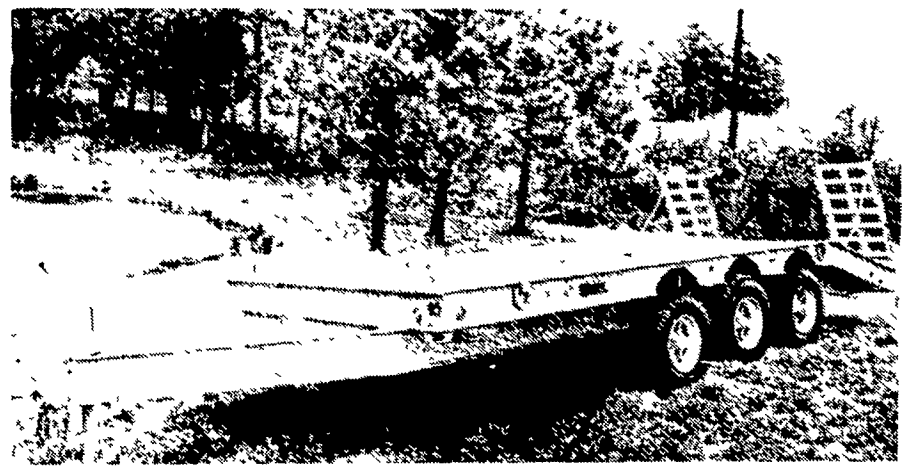
HUDSON HSM14

12,000 LB., RAMPS **$1850**



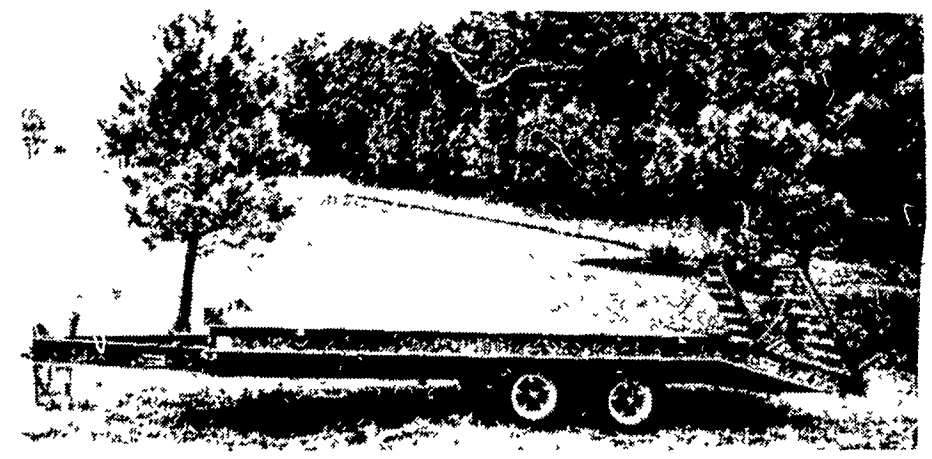
HUDSON HT16

12,000 LB., RAMPS 8' FT. WIDE DECK **$2350**



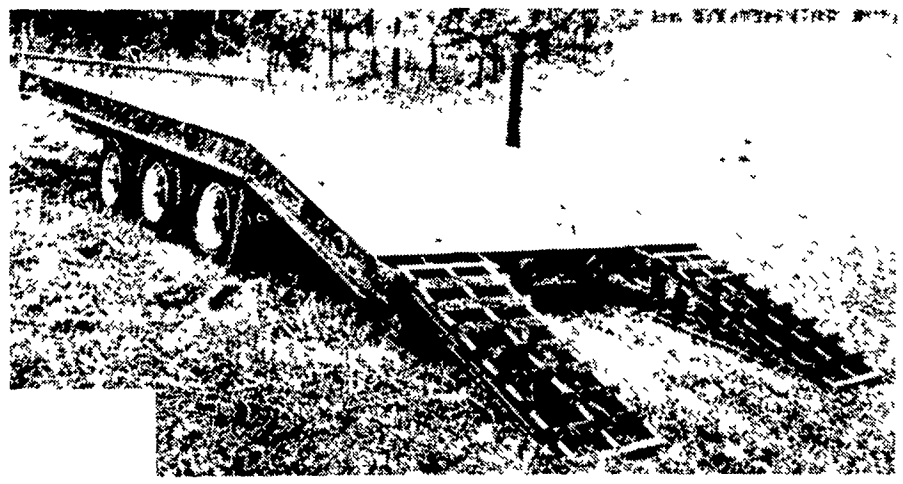
HUDSON HTR16

16,000 LB., RAMPS 8' WIDE DECK **$2750**



HUDSON HTB18

24,000 LB., RAMPS 8' FT. WIDE DECK **$4100**



HUDSON HTRB18

36,000 LB., RAMPS 8' WIDE DECK **$5000**

ALSO AVAILABLE

HTRB20 - 36,000 LB. TILT TOP	$5500
HTB20 - 24,000 LB. TILT TOP	$4600
HTD18 - 20,000 LB. WITH RAMPS	$5600
HTR18 - 18,000 LB. WITH RAMPS	$3500
HT18 - 14,000 LB. WITH RAMPS	$3000
HS16 - 18,000 LB. WITH RAMPS	$3200
HS14 - 14,000 LB. WITH RAMPS	$2600
HD14 - 8,000 LB. TILT TOP	$2000
HD10 - 5,000 LB. TILT TOP	$1500
HS10 - 1,800 LB. TILT TOP	$800
HS8 - 1,200 LB. TILT TOP	$500
HSL16 - 12,000 LB. WITH RAMPS	$2200
HSL14 - 8,000 LB. WITH RAMPS	$1750
HSM14 - 8,000 LB. WITH RAMPS	$1650

LONG

WENGER'S INC.

LONG

HOURS
Mon thru Fri 7 30 - 5 00
Sat Mach Dept 7 30 3 00
Parts Dept 7 30 Noon

South Race St., Myerstown, PA 17067, just off Route 501 and 422 in Myerstown

PHONE: Days 717-866-2135, Nights 717-866-7147 OR 717-273-9089

LONG CONSIGN YOUR USED EQUIPMENT TO OUR LOT LONG

OFFERS CONSIDERED

NEW "IMCO" SPECIALS
ALL SET UP, ALL ON STOCK

NO ON SPECIAL		LIST	SPECIAL
9	5' 3 pt rotary mower	$ 618	$ 495
10	5' pull type rotary mower	$ 734	$ 595
4	6' 3 pt rotary mower	$ 856	$ 695
5	6' pull type rotary mower	$1018	$ 795
12	9" post hole diggers	$ 412	$ 350
2	5'6" - 6 tooth landscraper box	$ 466	$ 435
2	6' - 7 tooth landscraper box	$ 495	$ 475
2	7' - 8 tooth landscraper box	$ 559	$ 550
1	24" 3 pt ground scoop	$ 256	$ 220
5	1x16" 3 pt plow	$ 267	$ 225
6	2x14" 3 pt. plow	$ 423	$ 350
10	6' 3 pt scraper blade	$ 226	$ 185
10	7' 3 pt scraper blade	$ 249	$ 205
10	8' 3 pt scraper blade	$ 354	$ 295
6	1x15" 3 pt row marker	$ 131	$ 110
4	1x3 pt cultivator	$ 156	$ 130
2	20 blade 3 pt disc - 6'6"	$ 510	$ 425
2	24 blade 3 pt. disc - 7'6"	$ 580	$ 485
1	24 blade wheel disc - 7'6"	$1435	$1225
1	32 blade wheel disc - 10'	$1705	$1425
1	36 bla(SOLD)el disc - 11'2"	$2076	$1695

ALSO ON STOCK - fast hitch & snap coupler hook ups for rotary mower and scraper blades

NEW PLOW COULTERS (complete)
LIST $69.00 SPECIAL $45.00

RUBBER TIRED LOADERS

JD 1010 w/ldr - as is or repaired	$2800 or $5800
Ford Uniloader	$3800
[2] Case 1740D Uni-loaders	$4000-$6500
Michigan 75 - gas	$4500 or $6500
[2] Ford 4500 w/ROPS	$5900 each
Case W9 w/cab & backhoe	$7500 or $10,500
Case W10 w/cab	$10,500
Hough 30B - 1971 - 4-in-1 bucket	$12,500
CAT 922B - w/cab - clean	$13,500 or $14,500
Michigan 275A	$14,000
CAT 944-new tires-rebuilt engine-cab	$14,500
CAT 966B - 1966 - full cab	$26,000
Terex 72-51 - 1973 - ROPS cab - clean	$45,000

MISC. CONSTRUCTION

[150] Backhoe & Loader Buckets	$75 & up
[12] set Forklift Forks	$250 & up
[5] Sweepers - mounted & self contained	$200 & up
ROPS for JD 350 crawler	$250
[5] 3 pt. Stone Rakes - 8' wide - New	$535
Stationary Compressor for small garage	$600
Cab for CAT 951	$700
Ripper for Case 450	$750
Hobart Portable Welder - 6 cyl. gas engine	$895
Ripper for late Int TD6	$1250
Farmi 3 pt. Winch	$1250
Lincoln Portable Welder	$1500
[2] Rubber Tired Rollers	$1500
Winch for JD 1010	$1750
Winch for JD 350 crawler	$2000
Galion 3-5 ton Roller	$2000
Chicago 125 CFM Compressor	$2000
Bay City 65 Dragline - 50' Boom	$5500
Lorain Truck Crane - Cummings diesel - 18 ton	$5500
AC D Grader - diesel - new tires - new paint	$6500
CAT 631A Scraper	$16,000
Lorain 30 Ton Truck Crane	$20,000

CRAWLER DOZERS

AC HD7	$1500	CAT D8-15A	$14,000
JD 1010 w/winch	$5750	Terex 82-30	$18,000
Int. TD 6-late model-ripper	$6500	CAT D8H	$22,000
JD 350-6 way	$7500	Int. TD 25B-1965	$28,000
JD 450-6 way	$9000	CAT D8H	$29,000
		Terex 8240-1968	$32,000

LOG SKIDDERS

Franklin 150	$6500
Franklin 160 w/grapple - GM diesel	$8500
JD 440A	$8500
JD 440B - 197[illegible] clean - turbocharged	$14,500

NEW & USED DUALS ON STOCK

WANTED
TRACTORS & COMBINES FOR SALVAGE

FARM TRACTORS

Farmall H	$800
AC C w/2 row cultivator - hydraulic - clean	$950
Oliver 66 w/cultivator-hoer-transplanter-complete	$975
Ford 9N - 3 point	$1075
Oliver 66 w/cultivator - clean	$1175
Ford 8N - 3 pt	$1200
MM 445	$1200
Farmall 450 gas	$1500
JD 2010 Diesel - utility	$1700
Farmall 230 FH	$2000
JD 720	$2000
Farmall Cub - plow - mower - hydraulics	$2150
Farmall Super A	$2250
MM GVII Diesel	$2500
Farmall Super A w/loader & duals	$2550
Farmall Super A w/cultivator-clean-fast hitch	$2650
Farmall Cub-blade-rotary mower-tire chains-clean	$2750
JD 730 Diesel - WF - direct electric - 3 pt	$2900
JD 820 Diesel - 2 cyl.	$3000
Farmall 560 - D - FH	$3000
JD 830 Diesel - WF - 2 cyl. Diesel	$3250
Ford 3000 gas	$3500
Farmall 140 w/FH & cult. - clean	$3700
JD 730 Diesel	$3750
Int. 3414 w/loader	$3750
Farmall M w/NI 12 roll picker	$3750
JD 830 Diesel	$3850
Case 930 CK - gas	$3850
Farmall Cub - rotary mower - demo	$3950
JD 830 Diesel - WF - 2 cyl	$4000
Long 445 - 4WD	$4000
Case 930 CK standard	$4250
MM G900 Diesel - WF - PS	$4500
Farmall 706 Diesel - FH - Try	$4650
Ford 4000 Diesel-row crop-8 speed-PS	$4700
Ford 5000 - gas - WF - PS - 8 speed	$4750
MF 175 Diesel utility - multipower	$4950
Farmall 706 Diesel - WF	$5000
Farmall 706 Diesel w/3 pt.	$5000
Oliver 1(SOLD)esel	$5500
Case 930 CK - clean	$5500
AC 180 Landhandler	$5500
Long 460 - New-List $7328	$5850
Ford 4500 - gas - w/loader - ROPS - Reverser	$5900
Ford 4500 Gas-w/loader-ROPS-straight shift	$5900
Long 560 - 200 hours - demo	$6250
Ford 5000 - Diesel - "big" tires	$6500
MF 1130	$6500
Long 560 - 4WD - loaded - 300 hours-List $10,410	$6500
Farmall 656 Diesel - hydro - wide front - 18.4x38	$6750
Int. 574 Diesel - utility - ROPS	$7000
Long 560 4WD - demo	$7250
Long 560 4WD - demo	$7250
JD 4020 - squar(SOLD)fold - powershift	$7250
AC 190XT Diesel	$7250
Case 1030CK - clean	$7500
Farmall 1456 - WF - 3 pt.	$7900
Long 560-4WD-new-List $10,229	$8350
Ford 8000 - dual power - 18.4x38 tires - 1970	$8500
JD 2040 w/loader - 3 pt. - demo - 200 hours	$8500
AC 220 - Cab - WF - 3 pt.	$8750
Ford 7000 Diesel(SOLD)power-1974-1400 hrs - row crop	$8750
Ford 9600	$9500
AC 7030 - roll bar - 800 hours	$12,500
Farmall 966 w/cab - air - clean	$12,500
Farmall 1066 w/cab - clean	$12,500
JD 4230-18.4x38 duals-1800 hours-powershift-sharp	$13,900
AC 7000 w/cab - 600 hours - air - weights	$16,500
JD 7520 4WD-cab-3 pt.-PTO-1973-3000 hrs.-24.5x32 tires	$17,500

CARS & TRUCKS

1964 Chevy Impala Convertible - PS - PB - Auto	$1275
[4] Assorted Vans	$1500-$2000
1964 Ford Single Axle Dump - air brakes	$1750
1967 Int. Single Axle Dump	$1750
1965 Int. Horse Van - clean	$3000
Int. C170 w/12' grain dump - 2 speed rear	$3250
1975 Ford Granada	$3350
1975 Chevy Monte Carlo - excellent	$4200
1962 C600 Ford w/16' grain dump - 2 speed rear	$4500
1969 GMC - Flat Bed Dump	$4750
1964 Corvette - 2 tops - 4 speed	$4900
[2] 1977 Chrysler Cordoba	$4950-$5675
1978 Chevy Pickup - PS - PB - Auto	$5350
1977 Chevy Cheyenne Pickup - loaded - air	$5800
1977 Chevy 4 WD Pickup - PS - PB - Auto	$5800
1971 Ford w/22' Swartz Rollback	$6000
[4] 1978 Chevy 4WD Pickup - PS - PB - Auto - ½ ton	$6350-$6950-$7550-$7850
1972 Ford F350 w/15' rollback & winch	$6500
1975 Cadillac Fleetwood Brougham	$6900
1973 Ford 900 w/22' flat bed	$7500
1976 GMC Customized Van - Midas Touch - loaded	$7500
1969 C60 Chevy w/17' grain body - low miles - clean P S - tarp - 2 speed rear	$9000
Int 10 Wheel Dump diesel - sharp	$9500
Demo - 1977 Cadillac Coupe Deville	$9750
1972 Int full screw w/26' rollback & winch	$11,500
1976 Int Transtar-318 loaded-COF 4070	$29,500

FORKLIFTS

Clark 5000 lb Solid Tires	$2250
Case 440 gas	$3750
White - Solid Tires	$4500
Yale - air tires - clean	$6000
MF 2200 Diesel - 1972	$6500
York-Baker-air tires-clean-8' forks-excel.-7000 lb	$10,500

TRAILERS

Used 2x tag-a-long	$1075
[2] New Horse Trailer for 2 horses	$1350-$1550
Lowboy with beavertail	$3750
1978 Fontaine 42' drop deck	$9500
1977 Delta Combine Trailer - 44'	$11,000

COMBINES

JD 30 pull type	$1000
Int. 93	$2450
JD 40 Squareback - cab	$2950
Int. 203 - cab	$3500
[3] AC Gleaner E - cab	Choice $5000
Gleaner CII - cab	$5750
Int. 315 - cab	$6750
AC Gleaner E III - gas - cab - clean - 2x40" corn	$7500
AC Gleaner C II - cab - 4 row corn	$7500
MF 410 w/cab	$7500
Int 315 - cab - 13' grain - hydrostatic	$8500
MF 510 - quick tach - gas	$10,000
NI 702 diesel - w/cab - combine & grain	$10,000
AC Gleaner F - gas - cab - clean - 4x30" corn or 4x40"	$12,500
JD 4400 - cab	$12,500
JD 4400 - cab - 13' grain - sharp	$16,500
Int. 615 - cab - brand new	$20,000
Extra Grain Heads available	
Int. 205 - cab	Coming in

CRAWLER LOADERS

JD 2010 Diesel - as is	$4000
Case 1150 - fair	$4500
JD 20(SOLD)harp	$7500
CAT 933 - clean	$7500
Case 310 - 4 in 1 bucket - clean	$7500
AC HD6G - sloped hood	$7500
CAT 933 - clean	$8500
Case 450 w/ripper	$8500
JD 350 w/forks & winch	$9500
Case 350 - 4-in-1 bucket - ripper	$9500
JD 450	$10,500
JD 350 - new undercarriage	$10,500
Case 450 - 4-i(SOLD)cket - ripper - ROPS	$10,500
Case 1150 - 1970 - clean	$14,500
CAT 951C - 1973	$24,500
Int. 250C - excellent	$46,000
CAT 983	$58,000
CAT 983 - 1977	$95,000

BACKHOES

JD Backhoe Attachment	$2500
Long 3 pt. Hoe Attach. - NEW	$3450
Int. 3414(SOLD)	$4500
Int. 3414 Diesel	$5000
[2] Ford 4500 - ROPS - loader only - torque conv.	$5900
JD 300 - clean	$8500
Int. 3514 - hydrostatic	$8500
Int. 3616 - hydrostatic	$8500
Long 5-in-1	$9500
JD 400 - clean	$9500
JD 310 - 1971	$12,500
JD 310B - full cab - 1972 - ROPS	$13,500
Int. 3800 - 4 WD - cab - clean	$14,500

UNI SYSTEM EQUIPMENT

NI 729 A Sheller	NI 3x30 Harvester Head
NI 726 Husking Bed	[2] NI 2x40 Harvester Head
[4] NI 710 Combine Unit	[3] NI 2x40 Corn Head
[3] NI 713 & 711 Grain Head	[2] NI Uni Pickup Head
NI 4x30 Corn Head	NI 702 Uni Tractor - diesel
[2] NI 3x30 Corn Head	[2] NI 3x40 Corn Head

NEXT CONSIGNMENT SALE
MONDAY, JUNE 19th
9:30 A.M.

LONG

WENGER'S INC.

LONG

HOURS
Mon thru Fri 7 30 5 00
Sat Mach Dept 7 30 3 00
Sat Parts Dept 7 30 Noon

South Race St., Myerstown, PA 17067, just off Route 501 and 422 in Myerstown

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REAL ESTATE

WANTED

Farm with retail milk jug operation. Send response to P.O. Box 266L-9, c-o Lancaster Farming Newspaper, Lititz, Pa. 17543.

REAL ESTATE

FARMS FOR SALE

All sizes Dairy farms, hog farms, grain farms Write·

JOHN LINDBERG
Real Estate
223½ North Main
Austin, Minnesota
55912
Or Call: 507-437-3580
Evenings 507-325-4543

COMBINE CORN HEADS

(LARGEST SELECTION EAST OF MISSISSIPPI RIVER)

[6] Cleaner E240
Gleaner A330
Gleaner F430
Gleaner C430
[3] Gleaner C440
Gleaner C630
Gleaner FL330
Gleaner GL440
[2] Gleaner EIII 240
Gleaner A240
Gleaner K Grain Head
[2] JD 435 - 30" & 40"
JD 434 - 40"
[2] JD 205
[7] JD 234
[3] JD 210
JD 10
[2] JD 313
[2] JD 244
JD 443
JD 643
[9] Int 227
Int. 229
Int 724
Int 733
[2] Int 327 WN
Int 429 WN
[4] Extra IH Grain Heads
MF 321 - (SOLD)
[2] MF 322
MF 24
[3] MF 222
MF 44
MF 43
MF 33
MF 20
[2] MF 22
MF 421
[2] MF 422
MF 622
[2] Extra MF Grain Heads
NH 3x30 for 975-985
Case 4x40 for 1160
[2] Oliver 522
Oliver 40
Oliver 531
Oliver 541

HAY EQUIPMENT

Int 27 Baler
[2] NH 269 Baler w/PTO thrower
AC 303 Baler w/PTO thrower
Stalk Chopper Attach for NH baler
NH 467 Haybine
NH 469 Haybine
NH 479 Haybine - DEMO
NH 479 Haybine - NEW
JD 480 Windrower
Int. SP 10' Windrower (175)
[2] NI Cut/ditioner
NI Wheel Rake - DEMO
NH 55 Rake
NH 56 Rake
[2] MF 3 pt Rake
[2] Misc Pull Rakes
[2] NH PTO Bale Thrower
[2] Int Hay Crusher
[2] Oliver 3 pt dynabalance Mower
NH 451 3 pt Mower
NH dynabalance pull Mower
[4] JD #5 Mower
MH Mower
[2] JD #9 3 pt Mower
IH FH 100 balanced head Mower
Hesston 10 Stacker
Hesston 10W Mover
3 pt Bale Mover
[2] Hay Tedders

HARVESTERS & HEADS

(WE SPECIALIZE IN EXTRA HEADS)

NH 880 Harvester
NH 818 self-propelled Harvester
Int 550 Harvester
Int 650 Harvester
JD 35 Harvester
Ford 612 Harvester
Fox Harvester
[2] NH 880 PU Head
[2] NH 2x30 Corn Head for 880
NH 880 Sickle Head
[3] NH 717 PU Head
[2] NH 616 PU Head
[2] NH 616 Sickle Head
NH 2x40 Corn Head for 818
NH 818 Sickle Head
NH 818 PU Head
[3] Int 50-55-550-650 PU Head
Int 2x40 Corn for 50-55-550-650
[2] Int 2x30 Corn for 50-55-550-650
Int. Sickle Head for 50-55-550-650
[6] Int PU Head for 15-16-350
[6] Int. Sickle Head for 15-16-350
[2] Case 300 PU Head
[3] JD 35-38 PU Head
[2] JD 34 PU Head
JD 35-38 1X Corn
[2] JD 35-38 Sickle Head
[2] JD 34 Sickle Head
[3] JD 35-38 2x30 Corn Head
[2] JD 34 2x30 Corn Head
JD 35-38-3800 3x30 Corn Head
JD 12 Sickle Head
[2] AC 780-782 PU Head
AC 720 PU Head
AC 780-782 Sickle Head
AC 2x30 Corn for 780-782
[2] Gehl 188 PU Head
Gehl 2x30 Corn for 188
Gehl 2x30 Corn for CB600
Gehl 188 Sickle Head
[2] Fox PU Head
[2] Fox 2x30 Corn Head
Fox 4x20 Corn Head

SELF-UNLOADING WAGONS

Lamco	$1500
JD 216	$2150
JD 214	$2450
Lamco 16' 3 beater & roof - DEMO	$2800
Lamco 16' 3 beater & roof - NEW	$3300

WENGER'S INC.

MYERSTOWN, PA.

PHONE
DAYS 717-866-2135
NIGHTS 717-866-7147
OR 717-273-9089

REAL ESTATE

NORTHUMBERLAND COUNTY
70 acre general farm, level sandy loam river bottom soil, exceptional 4 bedroom house, city water, road frontage.

DAUPHIN COUNTY
80 Acre general farm.
103 Acre general farm.
107 Acre general farm.

NITTANY VALLEY
165 Acre general farm.
95 Acre general farm.

COLUMBIA COUNTY
150 Acre general farm.
109 acres tillable, nice 3 bedroom house $115,000.

UNION & LYCOMING COUNTIES
45 acres nice woodland with stream, excellent deer country.

DEALERSHIP
AC & NH Dealership with 6 acres and storage sheds.

WITWER REAL ESTATE
Merle Miller, Agent
717-285-3360
Joe Zimmerman, Agent
215-267-7963
Ephrata, Pa. - Office
717-733-4138

Franklin Co. Farms
527 Acres, 400 tillable, 2 homes, beef & hog set up, owner will divide.

140 acres with 120 tillable, frame home and barn, immediate possession.

150 acre modern dairy farm for 50 cows, priced to sell.

Several Adams Co. farms, dairy and general.

Van Cleve Real Estate
717-624-8201

FARMS
NEW YORK STATE
CAYUGA & WAYNE COUNTIES
268 ACRE DAIRY FARM, approx. 200 tillable, 2 houses, Main barn 42x90 w/38 tie stalls, second barn 45x70, 2 silos. Asking $170,000.

80 ACRES, large "L" shaped 70x70x30 barn, ideally setup for beef or horses, privately located with a lot of road frontage, large home, partially renovated. $60,000.

MANY OTHER FARMS
For Appointment
315-689-3959
or 315-626-6156
or write Box D,
Elbridge, N.Y. 13060
AUDREY BANNER REALTY

REAL ESTATE

BEAUTIFUL CUMBERLAND VALLEY
105 acre farm, 15 miles west of Carlisle, good corn, barley, oats, hay and soybean land, house, barn and garage, other out buildings, bordered by 2 country roads and a creek runs through entire length of property

Shown by appointment only

JACK GAUGHEN REAL ESTATE
Carlisle, Pa
Grace E. Shulenberger
R E S
717-243-8080 office
717-776-5276 home

EXCELLENT WORKING FAMILY FARM AVAILABLE

42 Holsteins, 77 head, 19,300+ herd average; half Registered, most remainder Grade Identified. Daughters of Bootmaker, Glendell, Betty Chief, Virginian, Conductor, Apache & Willow. Records to 29,000.

150 acres, 125 tillable, predominantly loams, all new seedings in the Legume, mostly alfalfa. Storage for 1,500 tons silage, 40 tons grain & 20,000 bales hay. Main barn with 52 large tie stalls, large heifer barn. Good line of mostly new machinery. Partly remodeled 9 room home in pleasant setting. More land available, stable marketing area.

Phone 315-344-7180

FARMS
NEW YORK STATE
WAYNE COUNTY
191 acre farm, 32 stanchions, 400 gal bulk tank, 2 silos, excellent $140,000
310 acre farm, 30 stanchions 175 tillable, 2 houses, owner will finance $100,000
270 acre farm, 2 silos, could be dairy, $110,000
165 acre farm, 150 tillable, 3 bedroom ranch $150,000
97 acre farm, 70 tillable, could be beef or pork setup, try $80,000
170 acre farm, 32 stanchions, 2 silos, excellent hse, try $90,000 Owner will finance
63 acre farm, excellent hse and barn, black loam and sandy soil, good all around hunting, machinery, $68,000

R. VITTICORE
Broker
315-923-5651 or
315-923-9763

SHEETZ REAL ESTATE
RAY N. WILEY INC.

323 W. Main St.
Mount Joy, PA

CALL 653-1481

FARM LISTINGS NEEDED

Farm Salesman-Eugene Kreider

Exclusive Listing - Fingerlake Area

Center of Seneca Co. - dairy farm or cash crop, 40 stanchions, 2 houses, good barns, shop, beautiful view of Cayuga Lake, lot of road frontage, good soil, good area, Mennonite neighbors, 306+ acres. Owner retiring.

Call for details
We Have Other Farm Listings Available.

PATCHEN REAL ESTATE
Norm Brewer Realtor Associates
607-532-4949

REAL ESTATE

REAL ESTATE

FRANKLIN COUNTY

FARMETTE - 16½ acres with spring, barn, smokehouse, spring house, garage and workshop. Home has 6 bedrooms, 2 baths, oil heat, walk out basement, nice set back from road For the discriminating buyer

KOONS REAL ESTATE
717-597-8300
Box 153, Shady Grove, PA 17256

COLUMBIA COUNTY FARM FOR SALE

Located on Rt. 487 south side of the Susquehanna River, within 7 miles of 4 interchanges of Rt. 80. Farm suitable for development, fruit growing & sales, and regular rotation. Deep Leck Kill soil. 14 room house, air conditioning - heat pump heat. 85 acres tillable with 35 now in orchards, 20 acres of standing timber.

I sold 3 one acre lots in 1975, 1976, 1977 for $5000 each and there are 135 acres still on the farm. Priced to sell at $165,000. Will finance to right buyer.

W. KERMIT MILLER ORCHARDS
R.D. #1, Catawissa, PA 17820

FARMS & MINI-FARMS

Call to set up an appointment at your convenience to inspect these and other farm and rural properties.

F7-157 Need small family who likes Richfield area for this 2 story farm house w/outbuildings on 2½ A. Lovely built-in kitchen. 2 bedrooms, bath, home has 1 year warranty. $31,900.00.

F7-212 Be a land baron! Farmers-investors. Don't say, "I shudda bought it!", when it's too late. Check this one now. 207 acres, sound and very liveable old 4 br. home, bank barn and outbuildings with approx. 80-90 acres tillable. $119,000.00. Near Oriental.

F8-87 50 acre farmette w/approx. 30 acres open. Bank barn and remodeled 2 story brick home w/4 bedrooms and fireplace, near Sunbury. $70,000.00.

F7-188 Here's a Snyder County farm that has price reduced to expedite sale. 2 story, 6 room dwelling, 36' x 76' bank barn. You still get 110 acres but at a savings to you. Now only $85,000.00.

R8-40 Lewisburg School District. Near Kelly x-roads. 2½ acres. 4 bedroom rancher built in 1972. Nice quiet location and fireplace. $39,900.00.

C6-240 5 miles to Selinsgrove. Camp, on 65 acres built in 1972 - vandalized in 1977. Mess hall, 8 cabins, shower building. Was $79,000, owner says get offer. Great potential.

F8-93 32 acres, Mifflin Co., near Belltown, has new 3 bedroom ranch home w/fireplace, great view, and location. Small bank barn and equipment shed. 1 yr. Buyer Protection Plan on house, approx. 15 acres tillable. $66,500.00.

R6-205 See the geese and ducks on your own 25 acre lake. House has master bath and walk-in closet. Stone fireplace, professional landscaping and lots of it. Auxiliary bldgs. for gardener on this 55 acre gem. $69,500.00

F8-38 A place for horses, a few beef, pigs & chickens. Now you can enjoy country life only minutes from Selinsgrove on this 6 acre mini-farm. 3 bedroom rancher with 2 good large outbuildings. Middleburg School District. Just $47,000.00.

F7-222 Stream w/spring runs through this 44 acre tract. RD #1 Sunbury. Older 2 story home has 3 bedrooms. Nice tillable acreage. $57,900.00.

F7-154 38 acres boasts apple orchard. This Snyder Co. property borders state game lands, has own pond and good nearly new pole barn. Home has 4 bedrooms. $59,500.00.

R7-148 This place needs a country gentleman to enjoy this estate. 12½ acres on a hilltop. Large, large rooms, woodmode kitchen, central vac, raised panel doors, wide window sills for plants, brass/tin lights. Includes 2 room cabin (rented). Home built in 1976. $92,000.00.

LAND

L7-261 4.45 acres near Middleburg. Wooded. Approx. 900' road frontage. $4,700.

L7-255 3 lots near Oriental in Snyder Co. 3 acres each. Great location. $4,900 ea.

L7-257 50 acres m/l nice farming land w/development potential. Mostly tillable. Owner will survey. $875/acre.

L8-47 21 acres in Middleburg with fantastic view fronts on U.S. Rt. 522. $3,000/A.

Bowen Agency inc.
REALTOR®
22 North Market St.
Selinsgrove, PA

"PHOTOS BY WIRE"
717 374 2165
Evenings call Realtor Assoc

Phil Graybill
717-374-8038

Paul Kuhn
717-374-4144

REAL ESTATE

REAL ESTATE

BRADFORD COUNTY FARM

420 acres, 2 houses, 2 barns, 2 Harvestores - 20x60 and 20x80, 1600 gal. bulk tank, currently milking 130 cows, ready to go operation that is priced right. From Owner.

717-549-5618

FARM FOR SALE BY OWNER

Juniata Co., ½ mile from Rt. 75, 125 acres, over 50 A. tillable, bordered on one side by the Tuscarora Creek, good hunting and fishing, barn converted into a broiler house that houses 12,000 birds, automatic feeders, waterers and fans. Ground floor cemented for cattle or hogs, modern ranch house 28'x53', 3 bedrooms, 1½ bath, fireplace in livingroom and basement, ample closet space Price $150,000.

717-734-3661 RD, Honey Grove, PA 17035

THIS WEEK'S SPECIAL

135A Beef & Hogs, nice 2 farm home, 2 silos, hog fattening house, grain dryer.

18A Stone home and mill, creek and trees, ready to restore, in Lancaster Co.

5A Horse farm, 12 room limestone mansion, old shade, Lancaster Co

BLUE BALL REALTY

Blue Ball, PA

Phone: 717-354-4536

FARM FOR SALE

Estate of William D. Hoffman, located R D #1, Milton, Pa , on both sides hardtop road, containing tillable farm land. Whereon are erected a 2 story frame dwelling, barn and other outbuildings. All conveniences including hot water heat in home Immediate possession of house. Land suitable for development.

Farm must be sold to settle estate Interested parties may contact the undersigned

WILLIAM D. HOFFMAN, JR., Executor

R.D. #1, Milton, PA

Phone 717-524-0271

H. WILLIAM KOCH, Attorney

51 South Front St., Milton, PA

Phone 717-742-8746

SOUTHERN YORK CO.

2 miles from Delta just off Rt 74, 1 mile from MD line, farm 135 acres, 120 tillable, 1 mile of good road frontage, large 14 room stone house with nice setting frame barn, owner financing available

SOUTHERN LANCASTER CO.

65 acre farm, large 8 room brick home with fireplaces. Dairy barn, silo, feeders, nice stream of water & good road frontage

NORTHERN CECIL CO.

Horse farm, 30 acres, 3 dwellings, barn with 10 box stalls & pond

MASON-DIXON REALTY

Rising Sun, MD 21911

301-658-4911

FARMS FOR SALE

Montour County

89 Acre General farm, mostly tillable, 7 room brick house, both repointed recently, extra nice Good well, 2 cisterns, butcher house, work shop, implement shed, 1600 bu corn crib. Also another corn shed for 1600 bu., 3 car garage Nice level good producing land. Large barn for steers, pigs, and etc 2 miles west of Washingtonville, Pa Route 54. Possession soon

Montour County

100 acre dairy farm, 8 room house, recently remodeled, bath, nice kitchen and kitchen sinks extra nice too, large dairy barn, wall to wall carpet, new barn roof, barn newly painted, block milk house, 24 tie stalls, stream flowing through farm, overhead loafing shed for cows, new grain bins, 5100 bu., 2700 bu , 2500 bu cap Possession on or before Jan. 1, 1979 to be arranged Near the village of Exchange off Route 44

Clinton County - Nittany Valley

50 acre general farm, mostly tillable, 8 room house & bath, large barn, mountain spring water at the farm buildings, Limestone land, small orchard Good producing farm Possession April 1, 1979 Farm located between Mill Hall & Lamar along Rt 64

Daniel E. Snader R.E.S.

New Holland RD #3, Pa. 717-656-7789

MAURICE E. LEHMAN R.E.B.

1960 Horseshoe Road, Lancaster, Pa.

Phone 717-394-2460

REAL ESTATE

REAL ESTATE

Hog Farm going out of business for sale. Farrowing crates, cement slats, automatic feeders, steel pens, 10 ton grain bins, etc.

SHREWSBURY FARM

RFD Cuttingsville, VT 05738

802-492-3323

FARMS FOR SALE - CENTRAL, N.Y.

Large & Small -

all types ranging in price

from $40,000 - $300,000.

Also Land Listings Available

Write for free farm listings

STROUT REALTY

Ross Iannello, Broker

RD 1, Rt 8, New Berlin, NY 13411

607-847-9288

LANCASTER COUNTY FARMETTE

Ideal for large chicken operation, steers, nursery stock or just a very desirable gentlemen farm. There is several acres woodland with a stream & very fertile farmland now seeded in a heavy stand of alfalfa. The property is ideally situated north of Lititz for present secluded country living. The five bedroom home has an excellent floor plan & the decor is very warm & cozy. The large bank barn has been a layer operation with three floors. Call 299-5791 for the price & terms on this 15 acre farmette.

Century 21®

DIAMOND REALTY, INC.

726 N. Lime St.

Lancaster, Pa. 17602

Phone: 717-299-5791

BUY NOW — PLANT YOUR CROPS & BE READY FOR FALL POSSESSION!

NEW LISTING IN JUNIATA COUNTY . . 160 Acre Hog and Beef Farm, a good productive farm with 128 tillable acres, 32 acres pasture with stream, good 4 bedroom home, large kitchen, dining room and living room, oil hot-water heat, other necessary buildings to compliment the operation of 400 fattening hogs, 100 steers. Three story poultry house, automated to raise Butterball turkeys Priced to Sell!

170 ACRE JUNIATA COUNTY DAIRY FARM . . . productive Edom and Hagerstown soil, 40 cow new 2 inch pipeline milking system, 122 free stall barn, liquid manure system, 2 Harvestores, plus 120' bunk with Harvestore belt system with brush system for group feeding. Good house, plus 2nd home.

22 ACRES - JUNIATA COUNTY . . . Very good buildings, 4 bedroom house, new 3 car garage, plus shop addition with 12' high clearance door, fenced pasture with stream. Excellent property for cattle dealer or a small business such as furniture refinishing.

SCHUYLKILL COUNTY - 150 ACRE FARM WITH VARIED POTENTIAL . . . 120 fertile tillable acres, good bank barn can easily be altered to your needs, corn and grain storage buildings, very good 11-room house with modern conveniences Priced right at $1500 per acre. Owner retiring: financing

DAUPHIN COUNTY . 33 Acre Farmette, very nice setting with stream, lots of trees, barn, grain storage garage, log house with 3 bedrooms, 1 bath, living room, kitchen, family room, coal hot air heat. Priced at $64,500

LEBANON COUNTY BETHEL TWP Barn, loafing shed and wagon shed, well and 4 acres of land Only $19,900

Judy Rogozinski - 717-274-3550

Jesse Ziegler - 717-838-1257

Rich Brandt, REALTORS

215-378-1122 or 717-274-3622

REAL ESTATE

REAL ESTATE

FOR SALE

290 ACRE FARM, FRANKLIN CO., PA

130 to 150 acres tillable. Balance timber and pasture land Stream between barn and house. 45 ft. x 90 ft. 3 floor barn with 40 stanchions, loose housing shed attached. 2 implement sheds. Calf and steer shed. 3 car garage. 2 wood silos 13 room weatherboarded 2 family house, 2 baths; built-in cupboards; ½ cellar; oil fired hot water furnace.

For Information Phone

Days - 717-369-2029

Nights - 717-369-3619

J. ROBERT MEYERS - AUCTIONEER

WANTED TO RENT IMMEDIATELY

CROPLAND IN CENTRAL PA.

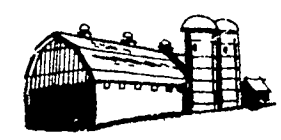
P.O. BOX 12

DALMATIA, PA 17017

717-758-3252 after 6 P.M.

AUCTIONEER

315 - 696-8446



LICENSED

REAL ESTATE BROKER

CENTRAL LIVESTOCK

BOYD A. RESSEGUIE

TULLY, NEW YORK 13159

CENTRAL NEW YORK FARMS

#5 - Madison Co 310 acres with 250 tillable, 145' barn with 60 ties, plus 90' free stall with automatic feeding, milking parlor, 600 gal bulk tank, heated floors in milk house & parlor, 40 x 75' metal mach bldg , 2 16 x 50 concrete stave silos with unloaders, modern 9 room 5 bedroom home with 2 baths **Price $186,200**

#6 - Madison Co 160 acres with 145 tillable, 130' barn with 51 stanchions, 2 50' concrete silos, barn cleaner, 2 other barns, 10 room home with bath & oil heat **Price $148,900**

NOTE: #5 & #6 are adjoining farms

 # 29 - Onondaga Co 190 acres with 180 tillable, excellent set of bldgs including barn with 50 stanchions pipeline to 600 gal bulk tank, and 54 free stalls with auto feed system, 20 x 50 Harvestore 22 x 60 and 14 x 40 concrete stave silos w/unloaders, 40 x 75 tool shed 3 grain bins & grain dryer roof Nice 5 bedroom home A real showplace **Priced at $300,000**

#30 - Chenango Co 488 acres with 275 tillable 130 free stall barn with Double 3 Surge parlor, 4 20 x 60 Harvestores & 1 20 x 27 Harvestore 3 houses **Priced at $430,000**

#41 - Chenango Co 400 acres with 200 tillable Excellent 200' barn with 50 modern ties plus 15 ready to install and good steel box stalls 500 gal bulk tank, 20 x 54 Harder concrete stave silo w/unloader 3 bedroom home with oil baseboard hot water heat **A real bargain at $146,700**

#43 - Cortland Co 311 acres with 157 tillable Good barn with 75 ties plus 25 in hfr wing 22 x 60 and 14 x 55 concrete silos with unloaders Pipeline milker to 1000 gal bulk tank, Patz barn cleaner, 30 x 70 mach shed 8 room home, 1½ baths & 16 x 32 swimming pool Real nice remodeled 2nd house **Priced at $217,400 or $380,400 with 150 Reg Hol & full line of top mach**

#44 - Onon Co 327 acre crop & beef farm with 225 tillable, 100 level acres in 1 field, 168' x 50' new metal mach shed with 16' ceilings, barn set up for 445 head of feeders 20 x 60 concrete silo w/unloader and auto feed system Beautiful 13 room home in maple tree setting Miles of road frontage **Price $356,000 with $220,000 mortgage available**

#47 - Cayuga Co 276 acres with 200 tillable 160' barn with 72 ties and stanchions plus 12 stanchions and box stalls in wing Patz barn cleaner DeLaval 6 unit pipeline milker to 1000 gal Zero bulk tank, 22 x 60 Corastone & 2 14 x 40 Grange silos 50' x 30' horse barn & shop, 30 x 50 mach shed, metal grain storage Lots of road frontage Large completely reconditioned home **Priced at $277,500 with $230,000 mortgage available**

#53 Onon Co 775 acre dairy farm with 360 tillable, 272' x 80' free stall barn with 140 stalls and ready for 60 more Double 6 parlor with weight jars 1100 gal bulk tanks 25 x 80 Blue Angel 2 houses and one trailer **Asking $450,000 with owner financing Available stocked & equipped**

We have many other farms both large & small, so why don't you give us a call?

BOYD A. RESSEGUIE - LIC. R.E. BROKER

PHONE TULLY - 315-696-8446

-DAIRIES-

410 ACRE FARM, 300 tillable, 80 cow barn, dump station, cleaner, mow elevator. 4 bedroom Colonial home $155,000 terms.

500 ACRE FARM, western, N Y., 250 tillable, much tiling done 60 pipeline barn, silos, 3 metal grain bins, driers. 3 homes; one double. $250,000, available w/less land.

RHODE ISLAND MILK MARKET, 225 acres, 200 tillable. 60 cow DeLaval pipeline barn built 1971, 4 silos, unloaders, exc condition throughout. Brick lined Colonial home, 6 bedrooms, 2 baths $242,000 with 93 head. 4 tractors, equipment

STOCKED AND EQUIPPED 159 acre dairy, 100 tillable. 50 stanchion barn, cleaner, mow elevator 2 homes. 35 Holstein milkers, young stock, tractors and equipment Only $138,000 - HURRY, not many of these around.

-OTHERS-

FIRETOWER VIEWS, 20 acre knob next to firetower; just like Switzerland. $6000

50 UNIT CAMPGROUNDS, 10 acres, lake rights Unfinished ranch, 1200-1300 sq. ft. $33,000 terms w/owner

TWO SMALL LAKES, one full of trout, the other bass. 50 wooded acres, ideal for hunt club. Camp. $49,500.

MOUNTAINS, RIVERS, LAKES, LUSH FARMS. NYS HAS IT ALL! FREE LISTS.

REALTOR

WIMPLE REALTORS
SLOANSVILLE, NY
518-875-6355

FARMS FOR SALE

New Listing - Northumberland Co. - 238 acres, 200 tillable, 75 stall barn, 6 unit pipeline milking system, loose housing for heifers, 5 silos, large corn barn, other buildings for storage, 2 1000 gal. milk tanks, excellent milk market, beautiful brick 12 room home with 3 baths and much more **Priced at $300,000.**

Following Bradford Co. Dairy setups are worthy of your attention.

321 acres, 90 stalls, 3 silos, 1000 gal. milk tank, 2 unit home. **Priced at $275,000.**

235 acres, 80 free stalls, (in an almost new barn), Harvestore, 600 gal milk tank, large good brick home, **only $166,000.**

106 acres, very nice small dairy operation, 2 silos, just listed. **Priced at $128,000.**

40 acre opportunity - small farm priced in the 70's which offers many possibilities in a fine community. Located in Northumberland Co

Investment property above Liverpool, Pa. 4 bedroom home completely remodeled, plus a 12x65' 3 bedroom mobile home, large lot, and a bubbling brook – **all this priced in the low 40's.**

For Other Available Farm Listings Call

KINGSWAY REALTY
REALTORS
149 E. King Street, Lancaster
Phone 299-0791
REALTOR

IMMEDIATE INCOME

Outstanding 57 acre poultry operation located in Eastern Berks. Owner retiring. Going business consists of 4 modern cage houses with capacity of 51,000, 4 story warehouse & packing room, and numerous other outbuildings (sale includes 51,000 birds presently housed & all equipment used in operation). ALSO TWO HOMES - modern 2½ story 4 bedroom stone with enclosed 14 x 36' patio & fireplace, and a lovely 2 bedroom rancher. Owner financing available.

For More Information Contact
SUBURBAN REALTY
717-273-9358 or 215-488-7614

LEHIGH COUNTY FARM

Located near Breinigsville. 18 flat acres, 95% tillable - stone farm house, newly rewired, 3 bedrooms, fireplace in master bedroom. House is livable but needs work. Stone barn This farm is ideal for horses or livestock, $79,900.

Call Realtor Associate Ron Bealer
215-398-2559

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4610 HAMILTON BLVD., ALLENTOWN, PA 18103
Member of Farm and Land Institute

June is dairy month

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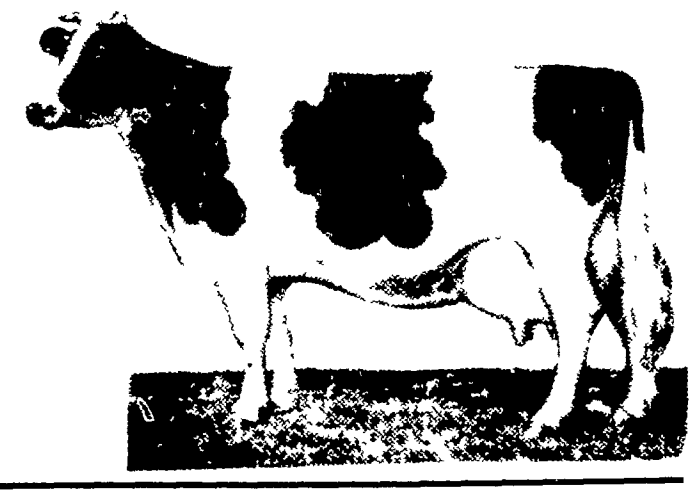
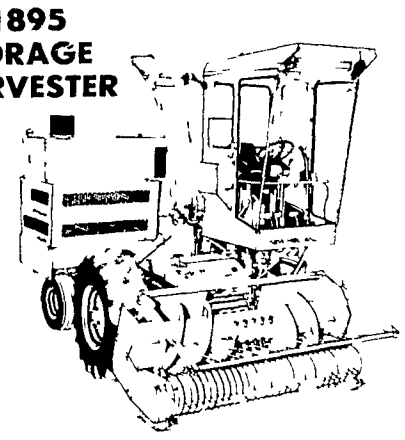


YOUR FORAGE & HAY EQUIPMENT CENTER

ALL MODELS TO CHOOSE FROM

1895 FORAGE HARVESTER



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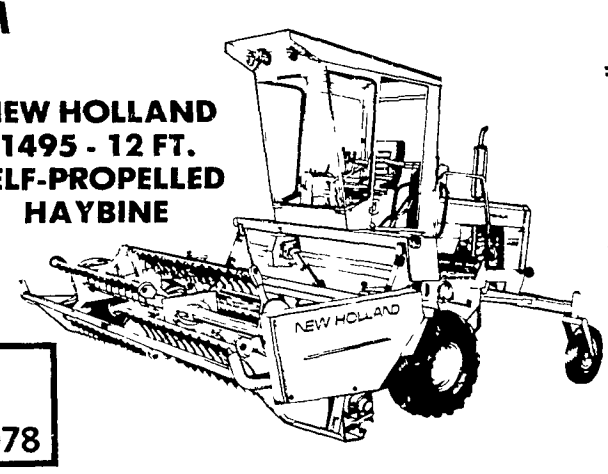
WAIVER OF FINANCE TILL SEPT. 1, 1978

NEW HOLLAND 1495 - 12 FT. SELF-PROPELLED HAYBINE



SEE US FOR OUR SPECIAL PRICE ON THE NEW AXIAL-FLO COMBINE

SPECIALS

- New Holland Model 273 Baler w/Thrower
- New Holland Model 270 Baler w/Thrower
- New Holland Model 268 Baler w/Thrower
- New Holland Model 56 Rake
- IHC Model 15 Rake
- JD Rake

SEE US FOR SPECIAL PRICES ON NEW HAY RAKES

NH 270 Baler with thrower - nice
NH 469 Haybine
JD 480 Haybine
IH 211 Plow
IH 650 Harvester - 2 row narrow
IH Model 240 tractor w/plow
Fox High-Capacity Blower

NH 26 Blower
NH 880 R-2 - 2 Row wide head
NH 510 Spreader Hydraulic Endgate
NH 516 Spreader
Hesston PTO Haybine
Bush Hog Disc Transport - 10 Ft
AC 32 Disc Transport - 10 Ft

Pequea Hay Tedder
IH 37 Disc Harrow - 10 Ft Midwest Harrow
NH 365 Tank Spreader - Left Hand
273 Baler with thrower, Super Sweep, real nice

GOOD SELECTION OF USED HAY EQUIPMENT, BALERS, HAYBINES, MANURE SPREADERS & DISCS.

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FARMS FOR SALE

DAUPHIN CO. - Approx. 153.81 acres, close to Penn National Race Track, bank barn, 1788 stone farm house, Paddocks and out buildings $325,000. Call Jack Detweiler 717-761-1910.

CUMBERLAND CO. - 128 acres more or less, 4 bedrooms, 2 baths, all aluminum house, bank barn, set up for dairy herd, wagon shed, corn crib and milk house. $225,000. Call Byron Reppert 717-697-8587.

JUNIATA CO. - Approx. 212 acres with 6 bedroom farmhouse, corn crib and barn. owner will finance. $270,000. Call Julia Grubbs. 717-697-8587.

CUMBERLAND CO. - 25 acres fronting on Yellow Breeches Creek. Large modern executive type home. Modern stable and garage. Completely fenced pastures, beautiful view of South Mountain. $275,000 Call Judi Shirk 717-761-1910.

C.M. Detweiler INC. REALTOR

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CENTRAL PA. DAIRY FARM 157 ACRES

Lg. Milk Barn (40x80) Milk House attached. DeLaval Pipe Line Milker 37 Stanchions, 2 sty. Free Stall Barn (50x90) w/90 Stalls, 2 Calf Barns, Chicken Hs./auto Feeder, 6000 Bush. Corn Crib, 4 Harvestores, 1 Tile Silo. Also featured, 2 Sty. Remodeled Hs. 3 BR, LR, DR, Mod. Kit. & Bath., 2 Streams on prop. Garden & 175 Blueberry bushes.
Dairy Herd & Machinery - Negotiable.

RJ FRIED Inc REALTOR
652-5100

4400 Linglestown Road
Harrisburg, Pennsylvania
17112
DORIS M McGUIRE
Sales Associate
717-957-3653

SOUTH CENTRAL PENNSYLVANIA FARMS & LAND

CUMBERLAND COUNTY

DAIRY (Newville)
106 acres, fertile limestone, large bank barn with 18 stanchions, 10x45 silo, stable cleaner, 3 bay garage, wagon shed, solid 8 room frame house, 5 bedrooms, 1 bath, along Rt. #533 - Jug milk potential.

FARMETTE (Carlisle)
33 acres, modern frame 2 story house, small bank barn, other out buildings, frontage, some wooded.

DEVELOP OWN FARMETTE (Newville)
64 acres partially wooded with character, beautiful stream.

Other Real Estate - Land, Commercial, Industrial, Residential.

If you are thinking about selling your farm, give us a call for a "No Obligation Appraisal"

FARM REPRESENTATIVES
John B. Niesley - Home Phone 717-243-7575
Charles L. Wenger - Home Phone 717-263-0945

GEORGE L. EBENER & ASSOCIATES
139 W. High St.
Carlisle, PA
Phone 717-243-6195

PAUL M. Longacre FARMS AND COUNTRY PLACES

NORTHUMBERLAND COUNTY
90 acre Beef Farm with large pond, beautiful 2 story frame house, full basement, 7 rooms, 1½ baths, large bank barn, 100 ton trench silo, good soil A very nice farm **$120,000 #186**

MONTGOMERY COUNTY
75 acres $3,500 00 per acre large amount of road frontage **#139**

40 acre 8 room house and barn ready for renovation Located along Rte 663 Tremendous possibilities **$125,000 #111**

FULTON COUNTY
181 acres, 123 T , large three story four bedroom frame house, modern kitchen and 1½ baths, large bank barn, 15 stalls, attached shed and other outbuildings **$165,000 #137**

232 acre dairy farm, new 73 cow freestall barn with automatic bunk feeders Bank barn with 33 extensions, bulk tank, new machine shed, 2 concrete and 2 trench silos, large new brick home, 1 fireplace and barbecue pit, modern kitchen dining room, 3 bedrooms, large semi finished basement Absolutely beautiful Second house with 3 bedrooms and bath **$260,000 #163**

DAUPHIN COUNTY
120 acre jug milk operation, beautiful free stall setup, 98 stalls & lot area w/100 ft auto feeder, double 6 herringbone w/feeders 1500 gal bulk tank, modern processing equipment Large walk in cooler w/nice sales store (2) 20x65 conc silos w/loaders A mod 3 bdr ranch house, 2 new lg metal multi purpose bldgs , bank barn & other outbuildings Also 85 very good Holsteins, 50 heifers, and a full line of machinery A real nice operation of a good business, **$600,000** Good terms available Also 500 acres available for rent **#174.**

BERKS COUNTY
95 acre horse farm with the most outstanding restored historical brown stone eight room house, bath, fireplace, guest house, smoke house and spring house Very large and outstanding 16 stall barn with large addition for steers, very good limestone soil with enough level land for a race track For the race horse lover Registered with Pa historical society **$375,000 #117**

161 acre dairy farm, 43 stalls, pipeline milker, bulk tank and fixed equipment, 2 concrete silos with unloaders, reconditioned farmhouse with eight rooms, 3 bay shed/garage and full line of machinery and cattle A ready to go operation all for only **$335,000 #114.**

208 acre dairy farm Large 9 room stone house with fireplace, & attached frame addition, beautiful setting Large barn with slate roof, 62 stanchions, 20x60 & 12x50 silos, pipeline milker, bulk tank & outbuildings 1½ mile of macadam road frontage running through farm intersecting long fields making hauling easy 160 acres tillable Must be seen to be appreciated **$416,000 #101**

MONTOUR COUNTY
NEW
125 acre dairy farm 90 tillable, large 2 story home, large bank barn w/40 stalls, implement shed hog pen & stream through pasture **$150,000 #214**

ADAMS COUNTY
12 acre chicken farm 50 000 bird cap 4 times per yr on contract insulated controlled environment bldg 2½ story 7 rm frame hse 2 baths 43x140 two story and two 42x288 one story chicken houses Also 8 crate farrowing hse **$166 000 reduced to $145,000 #157**

FRANKLIN COUNTY
147 acre dairy farm very nice 8 room house with full basement bank barn holding pen and 60 cow free stall Also corn crib & outbuildings Good location **$295 000 #180**

BRADFORD COUNTY
NEW
116 acres, 63 plus stall Quonset barn, large loafing area, large machine shed, 4 concrete silos w/unloaders, barn cleaner, bulk tank, pipeline milker, very nice 9 room home, 4 bdr , 1½ bath All for **$145,000** Second dwelling, cattle, and machinery optional **#217**

NEW
94 acre farm w/stream, woods, nice barn, shed & garage, 8 room home, semi modern Full line of machinery, some livestock, some household furnishings Quiet country living **$75,000.**

NEW
86 acre dairy farm, 45 tie stalls, barn cleaner, concrete silo, machine shed, inground pool, nice home, modern kitchen **$95,000 #218.**

146 acre dairy farm, 125 tillable, 60 tie stalls 500 gal bulk tank, 2 concrete silos with unloaders, all metal machine shed, 8 room house, very nice, 2 car heated garage **$135,000** Land available for rent Full line of machinery & dairy cattle optional A ready to go operation, you'll like it!

187 acre dairy farm, new 74 stall barn, six unit Surge pipeline milking system, 1000 gal bulk tank, fan system, 16x60 & 24x60 conc silos w/unloaders, 5 T steel feed bin, 36x88 pole shed, 3 corn cribs A nice 2 story home, 4 bedrms , modern kitchen, 2 car garage, **$245,000** Also cattle, machinery & produce avail **#193.**

168 acre dairy farm, 35 stalls, barn cleaner, 18x50 conc silo w/unloader, 500 gal bulk tank, 42x70 machine shed, **$125,000 #192**

155 acre modern dairy farm, 800 gal bulk tank, 64 tie stalls, barn cleaner, 2 silos, modern dwelling, 4 bedrooms, new furnace, oil & wood combination, beautiful view and other outbuildings A good producing farm **$141,000 #184** Cattle & machinery optional

NEW
104 acres, 55 tillable, woods, stream, lake site, 10 room home, 1½ baths, fireplace orchard A nice place to raise a family **$75,000 #177**

250 acre, 190 tillable dairy farm, 2 story, 8 rm frame house, modern kitchen, 2 baths, and large in ground pool Beautiful! 60 cow tie stall barn, 18 cow free stall pole shed with large machinery shed 750 gal bulk tank new 6 unit, pipeline, 20x40 Harvestore 20x56 and 12x35 silos, full line of machinery and 90 head of Reg Holsteins **$315.000.** 2nd house available **#158.**

77 acre dairy farm, 29 stanchion, 8 rm hse w/bath, new milk hse , w/400 gal tank (2) 14x30 silos w/unloaders Lg pole shed shop, machine shed & outbldgs **$89,000** Machinery available **#175.**

WOODED ACREAGE
(2) 25 acre tracts **$14,250 ea**
10 acre tract **$6,000.**
13 acre tract **$7,800**

248 acre dairy farm, 160 T , new dairy barn, 72 free stalls, 8 stall herringbone parlor, 800 gal tank, 80 cow bunk feeder, 20x60 conc silo w/unloader (half full of silage), liquid manure, heifer barn and dry cow barn, also storage barn, 2 story frame house, 7 rooms and bath w/upstairs apartment All for **$178,000 #115.**

128 acre dairy farm, 96 tillable, bulk tank, barn cleaner, 50 stall barn and silo, 43 milk cows, 12 heifers, full line of machinery 6 room house and bath New 20x65 Harvestore **$170,000 #127**

110 acre dairy farm, 50 stanchion barn, 2 story shed, silos machinery included Colonial type house, 9 rooms, 1½ baths **$98,000 #125**

SUSQUEHANNA COUNTY
148 acres beautiful woodland located near Elk Mountain ski area **$83,000**

LUZERNE COUNTY
50 acre dairy farm 24 stall barn & milking equipment machinery shed & other outbuildings 9 room house All buildings in good condition **$85,000** 150 acres available for rent w/farm **#203**

NEW REDUCED
82 acre X-mas tree farm in excellent condition, beautiful old frame 10 rm home, 5 bedrooms, 2½ baths, fireplace, kitchen, etc Barn, grainery, silo, and garage 10,000 X mas trees ready to go 25 000 total trees A nice home and a good business opportunity **Priced to sell $168,500 #172.**

10 acres wooded for **$15,000 #176**

CLINTON COUNTY
390 acres, 365 tillable, grain farm Beautiful stone ranch house 5700 sq ft , 4 bedroom, 2½ bath, mud room Second house, 2½ story frame, 5 bedroom, bath, full basement & large shop Third dwelling on Island of 110 acres, 2 story, full basement, 4 bedroom & bath Also large 2 story barn A large & beautiful operation **$900,000** Farm machinery available **#178**

SOMERSET COUNTY
245 acre dairy farm, 215 tillable, all in two large fields Good ground, a picture place with very nice laying ground New 100 stall dairy barn with automatic feeding system tile troughs, air flow system & built in mats Two Harvestores, 20x50 & 25x80 New pipeline milker system, dry cow & heifer barn & 40x90 machinery shed A real buy at **$335,000** Ultra Modern dairy farm **#183.**

YORK COUNTY
203 acre dairy farm, beautiful 150 comfort stall barn, pipeline milker, two 1000 gal bulk tanks, extremely large milk house with offices, dry cow barn with large hay storage above Very large concrete lots, two Harvestore silos 20x50 Large trench silo 10,000 bu grain bin Two very beautiful homes A very beautiful farm **$475,000.**

160 acre, 130 T beef farm, remodeled 8 room house, large bank barn, corn crib, and other outbuildings, nice laying land **$225,000.**

8 acres 8 room frame house, oil hot water heat, double corn crib, beautiful setting back off road with farm pond **$58,000 #144**

LEHIGH COUNTY
102 acre steer farm, barn feed lot and silo Large stone house, center entrance, ready to be renovated **$175,000 #145.**

LEBANON COUNTY
6 acres, 7 room frame house, bank barn, 2 corn cribs, hog stable, & lg garage, all for **$40,000.**

COLUMBIA COUNTY
9 acres and 3 bedroom ranch house, 1½ bath, kitchen, living room, dining room, small implement shed, swimming pool & other outbuildings **$39,900 #196.**

147 acre grain farm, 130 tillable, very nice large field, gently rolling Large frame 7 room house, modern kitchen, new oil H O W heating system, barn & outbuildings **$150,000 #106.**

533 acres, 340T, grain farm, 3 nice homes and 2 complete sets of buildings including 2 large bank barns and many other outbuildings, very nice location with level land, must be seen to be appreciated **$1,060,000.**

POTTER COUNTY
40 acres of mountain land, 10 acres open Remainder woodland, borders on hard road one side **$20,000 #109.**

SNYDER COUNTY
155 acre beef & swine farm Large barn, 85x90, excel condition, 2 story grain house, 36x30, ex cond , implement shed, second steer barn, 45x50, good cond Very nice 2 story frame aluminum sided home, 8 rooms & bath A very nice operation **$175,000 #188**

TIOGA COUNTY
125 acre dairy farm, 95T, good milk pickup access, you'll like the soil, contour of land and drainage! Beautiful 2 story, 9 room farm house, 36 stall barn, 2 new concrete silos, new machine shed, shop and pond You'll love it **$156,000** Cattle and machinery optional

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

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N.J. FARM

WARREN COUNTY - 140 acre farm with 1800' highway frontage, the front 300' is zoned commercial Beautiful views, approx 80 acres presently cultivated, use has been retail meat business Stone & stucco older home with large rooms, stone barn 40 x 40', newer barn 90 x 40', attached shed 90 x 30', retail store approx 3000 sq ft Approx 4 miles interstate hwy. Great investment potential! Asking $275,000 and owner will consider 29% down at 9% for 15-20 yrs to qualified buyer

Croot Realty has many other investment farms in Warren County near I-80 & I-78.

CROOT REALTY

26 Hwy #46
Hackettstown, NJ 07840
Phone Realtor 201-852-4410

BEAUTIFUL
POTTER COUNTY

Eulilia Twp.
4.9 acre wooded, mostly level and picturesque 288 ft. private road frontage, sewer approved, within 2 miles of Rt. 6 and 1 mile from Rt. 44, $3,950 with terms

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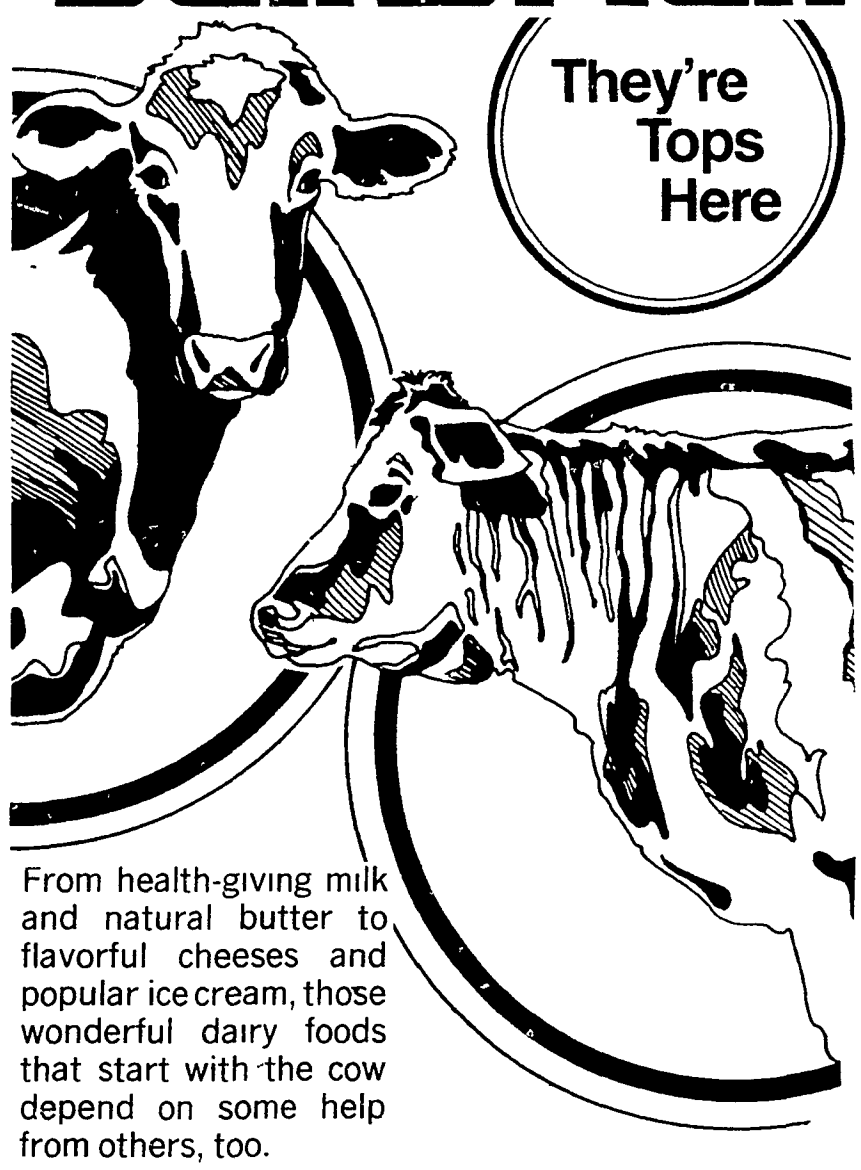
Salute to the Dairymen



From health-giving milk and natural butter to flavorful cheeses and popular ice cream, those wonderful dairy foods that start with the cow depend on some help from others, too.

Modern farm machinery helps . . . to produce and harvest feed crops faster and better . . . to care for the cow and to milk her . . . to make dairy farming more practical and profitable.

But that's just part of the story. It's the man who cares for the cow . . . the dairy farmer . . . who makes the difference — with his hard work, his knowledge, experience and sound business management.

We're proud to salute you, dairy farmers . . . and proud to serve you with more efficient, more productive farm equipment for every dairying need.

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L. H. BRUBAKER, INC.

350 STRASBURG PIKE, LANCASTER, PA
PHONE: 717-397-5179

CENTRAL PA. FARMS

Mifflin County - New Listing - Dairy farm located near McVeytown 90 acres, 70 acres nice laying tillable land, 12 acres pasture, 8 acres woodland Small stream, 2 story frame & stone house, bank barn with 12 stanchions, milk house, & bulk tank Nice location with good road frontage Priced at **$104,900**

Centre County - New Listing - 85 acre farm featuring 2 story stone house in good condition, 2 story bank barn, 40 x 114' insulated potato storage building, and approximately 77 acres of very nice laying highly productive tillable soil Located near Centre Hall, the farm has good accessability, and a very scenic location **$133,500** Good terms

Juniata County - This property, ideal for **crop** farming or **general livestock,** features a new split entry home which is in excellent condition Located in a peaceful setting, the farm has 100 acres with 60 acres tillable, stream frontage, road frontage, four wells, one acre plus of fruit trees & berries, and a 24'x28' implement shed & corn crib combination The woodland has some marketable black walnut trees, and there is a second dwelling Priced at **$117,500** Also available as a 15 acre farmette

Bedford County - This well equipped operating **beef** farm has 216 acres, with 115 acres tillable & 65 acres pasture Included is a comfortable two story frame house, & two story bank barn with a 42'x100' barn attachment, complete with bunk feeder A 12'x40' silo with unloader & a farm pond are also included Priced at **$164,000**

Bedford County - Located near Schellsburg, this farm features 114 acres with 68 tillable, 22 pasture, & 18 woodland The farm has a two story frame dwelling with a separate summer house, two story bank barn, garage, & a substantial amount of road frontage Ideal as a **small farm** or for **part time** farming Priced at **$92,500**

Mifflin County - Ideal for **investment** or **general** farming, this farm features 115 acres, with 106 acres of productive, tillable land It has valuable road frontage on Rt 22, and also features creek frontage The brick dwelling features an open, banistered stairway from the first floor to the attic, and the two story bank barn has 21 stalls Also included is a milk house, corn crib-implement shed and out buildings Reasonably priced at **$137,500** with owner financing available

Bedford County - located in East St Clair Township, this 125 acre **general** farm has 60 acres tillable with the balance in timber, level bottom land with stream bordering property 4 bedroom sculptured block home, 40x70 barn with 3 floors, 2 mows, 2 graineries, 1000 bu corn crib & out buildings Priced very reasonably at **$100,000**

Centre County - 12 miles from State College, 15 acres, house (restored log), barn, stream, beautiful setting, ideal retirement home **$85,000.** Additional acreage available

Bedford County - This very nice property features approximately 44 acres, with approximately 32 acres tillable Included is a good 2 story frame house, 2 story bank barn, and a large garage & workshop A small stream flows through the farm located near Bedford, and about 20 minutes from Johnstown This farm is ideal for part-time farming Priced at **$71,900**

Centre County - Nittany Valley - 160 acre **general farm,** 120 acres tillable, bank barn, out buildings, no house, stream, good water supply Located approximately 5 miles North of Bellefonte, PA on Rt 26 Amish neighbors Priced at **$225,000.** Terms

Huntingdon County - Nice 277 acre **dairy farm** with 240 acres tillable, 33 acres pasture, & 4 acres woodland Featured is a 2 story frame house, with aluminum siding, 2 story frame barn with 50 stanchions, milk house with bulk tank & water heater, large concrete block garage & shop with cement floor, all in good condition & several miscellaneous buildings The majority of this farm lays quite nicely Located 20 miles from State College Priced at **$275,000** with owner financing available

Huntingdon County - Located in a beautiful area of Huntingdon Co , this property features a good, 2 story frame dwelling, good 3 bay cement block garage, large bank barn in good condition and several miscellaneous buildings on 220 acres Approximately 80 acres is tillable and pasture ground The balance is woodland A small stream flows through the property, and it has an excellent view Ideal for **horses, beef, hunting or weekend relaxation** Well suited for purchase with 277 acre dairy farm above as a large dairy unit Priced at **$110,000,** owner financing available

Huntingdon County - Fine 150 acre **hog farm** with fairly new finishing barn, good 2 story frame barn with the basement converted for hogs, and a sound house The farm has 2 springs, which provide an adequate water supply In addition to 70 acres of clear ground, 10 acres have been planted to Christmas trees Priced at **$148,500** with owner financing available

Northumberland County, Turbot Township - Excellent farm for **crop or livestock farming,** consisting of 170 acres with 162 tillable The farm features a stone house in very good condition, large 2 story bank barn, combination work shop and garage, separate implement shed corn crib and miscellaneous buildings All of the buildings have been well maintained The tillable ground lays very nicely and is highly productive, with soil productivity ratings up to 130 bu of shelled corn The farm is located in an excellent agricultural area Reasonably priced at **$322,000**

Centre County - 217 acre **general farm,** 6 miles from State College, limestone ground, good buildings, **$280,000** - convenient terms available

Huntingdon County - Ideal for **general or livestock farming or for investment** This farm contains 180 acres with 100 tillable, 60 acres pasture & 20 acres woodland Featured is a sound brick home built in 1842, excellent, never-failing spring water, a large 2 story frame barn with horse stalls & horse riding areas Located 2 miles off Rt 22 near Huntingdon & 7 miles from the Raystown dam Reduced for quick sale, **$119,500**

PLANNING TO SELL YOUR FARM?

Selling a farm is more than running an advertisement It involves a thorough knowledge of soils, crops, livestock and financing. Kissinger Leonard & Associates Farm Sales Staff has extensive farming and agricultural financing experience, and combined with the firms 45 years of service in Central Pa., a detailed professional farm sales program has been developed. If you are thinking of selling we would appreciate the opportunity to explain this program to you at your convenience, without obligation For more information, please feel free to call or write the office or call any of the sales associates listed below

CENTRAL PA. LAND, CABINS

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We have an opportunity you won't want to miss, 5 adjoining farms - 20, 53, 60, 80 and 90 acres. Good for family and friends to locate near each other.

We also have additional farms in Northumberland Co.

110 acres - barn, Harvestore silo, general farm.

95 acres - 4 bedroom house, barn, machine shed $116,900.

15 acres - poultry operation, excellent house $68,000.

7 acres - 2 unit house, large barn $49,900.

Warren Weaver Inc. REALTOR

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717-898-8441

15 ACRE FARMETTE NEAR LANCASTER AND CHESTER CO. LINE

Well kept 15 acre farm with good producing ground in a beautiful country setting situated south of U S Rt 30 and east of Rt. 41 Buildings consist of a large 5 bedroom house with family room, living room, kitchen, laundry, bath on first floor PLUS a large 14 x 29 family room with 9 x 14 office granting a beautiful view to the South Leading from office and family room you proudly walk into a LARGE 3 car garage

Also 40 x 70 4 bay truck shed (nearly new) and large 2 story barn THIS FARMETTE HAS MUCH TO OFFER! and will lend itself to horse farm or most any small farm operation

PERRY COUNTY, BLAIN R.D. #1

110 acre farm with good limestone soil, buildings in A-1 condition Large stone house in excellent shape!!

266 acre farm joining 110 acre farm mentioned above also containing limestone soil

100 acre farm also joining the above mentioned farms These 3 farms are 1 owner and will sell 1, 2, or 3 farms! Total of 543 acres including 67 acre tract with good marketable timber Please call for detailed information.

PERRY CO. EAST OF MILLERSTOWN

112 acre farm with approximately 85 tillable Large house in very good condition Barn can be converted conveniently to most any operation This farm is peacefully located, in eastern Perry Co in a terrific hunting area Truly a good investment for $123,000

We also have FOR SALE a well built hunting camp or summer home on 1 acre lot Approximately 3 miles from Susquehanna river Feel free to call!

Elam V. Stoltzfus - 215-593-6292

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RD2 P O Box 387 Bellefonte Pa

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MAILBOX MARKET

For Sale - Baby rabbits, started on feed, excellent pets 717-786-3591

For Sale - 76 Chevy Impala, 4 door Sedan, PB, PS, air, radial tires, A-1 shape, black, $2850 717-859-3291

For Sale - Red Rock tomatoe plants, home raised Martin Fox, 215-267-2783

Wanted - 2000 to 3000 lb fork lift in good condition with gas engine 717-733 0703

For Sale 2 Reg French Alpine buck kids for herd sire Very good bloodlines with tag names 717-756 2046

For Sale - 1200 GPM, 220 v fluids pump with safety motor gd cond $325 Also 2 hospital beds with springs, adjusts 3 positions, $25 ea Call 717 896-3042

For Sale - McCormick 2 A Hay conditioner Price $100 717 933-8227

For Sale - 1972 VW Bus w/air $49,000 original miles, 1 owner, firm price $1250 Call 215 779-4950 or 374-8341

For Sale - Oliver HG Crawler equipped w/JD 40 loader, dozer blade, manure fork Electric start, good running condition Extra engine and parts available 717-299 6882 eves and weekends

For Sale Water ram, good shape 9 ft land roller & cultivators for Massey Harris tractor Call 301-838-6497

For Sale - 2 row Snapper head for 890 harvesters, wide row Used about 10 acres PH 814-685-3483

For Sale - 248 Acre Farm, 200 plus till PH 215 488-1824 or come in person to John Luckenbill R3, Bernville, Berks Co , Pa

Wanted - Honey bee swarms PH 717 656-6131

For Sale Louden litter carrier track, lot of track, Isaac Swarey, Belleville, PA 17004

For Sale Bucket a-Day hot water stove Good condition Aaron S Flaud, R1 Gap, PA 3 mi North of Gap along 897

For Sale Small truck and wagon scales 10,000 lbs best offer Henry S King, 109 E Millport Road, Lititz, PA

For Sale 25 2 & 3 Way cross bred gilts Will be sold at New Holland Feeder pig sale Wed June 14

For Sale Registered Brown Swiss heifer calves Artificially bred 1 6 months old Call after 9 a m Joseph Lustik R2 Eighty

MAILBOX MARKET

For Sale - 1500 gal manure spreader, will spread liquid or heavy slurry 26 ply hi-flotation aircraft tires 201-782 5754

For Sale - 10 ft Brillion cultipacker seeder with transport wheels, $1250 717-726-3471

For Sale - Rare '49 Chevy station wagon 6 cyl all wood inside $550 Gas stationary egine, 2½ hp $250 firm 215-933-2469

For Sale - '67 ½ T Chevy Pickup, low mi , sd transportation as is $800 1 pr 18 4x38 tires & tubes $100 400 gal Mojonnier vacuum milk tank complete, ex cond $700 PH 301-452-8569 after 4 30 p m

Wanted - 1 hoist for flat bed truck PH 215 445 6850

For Sale - Landrace boars, $200 ea PH 717 768 8378

For Sale - 175 MF on steel, good cond PH 215-445-5526

For Sale - 2 row Hershey Tobacco Pltr like new, 2 corn bin wagons used 1 yr w/AC running gears, Oliver wheat drill PH 717-684-9528 evenings

For Sale - '65 Chevy ½ ton pickup, needs motor work $500 717-653-2325

For Sale Hay to be harvested, Wrightsville-Hellam area York area Best offer 717-872-5007

For Sale - 8 ft cut Grain Binder w/recondition canvases $100, Lincoln Welder 180 amp belt driven $100 Both in gd cond John M Stoltzfus, 29 Stoltzfus Lane, Leola, PA 17540

For Sale Tank truck body 1800 gal with hose and pump Ideal for water or waste oil truck $300 or make offer 215-458-8433

For Sale - Several mated pair Canada geese Ready to go $65 pr First come first served No Sunday - 4 mi W of Dover, Del Rose Valley Blacksmith

For Sale - 6 yr old Standardbred horse, lots of snap Elam M Ebersol, 558 Gibbons Rd , Bird-in-Hand, PA 17505

Wanted Concrete mixer, with elec or gasoline motor, ⅓ cubic yard or 1½ bag capacity, wheel mounted, operating condition, reasonable 717-776-5207 eve

For Sale - 8 ft late model grain binder open post John Deere B 10-20 McCormick Deering Tr Also factory steel wheels Fordson Tr Elias S Beiler, 601 Musser's School Rd , Leola, PA 17540

For Sale - Double driving harness w/2 collars, like new cond $125, pony saddle $30, Buena Vista Saddle, exc cond $125 1 301 679-8985

Wanted Feeding oats for horses Also For Sale Rabbits, all ages and colors (201) 463-0070

For Sale - Grove forage wagon, New Idea running gear like new Also Long 445 Tr with loader, only 550 hrs PH 717-438-3678

For Sale - A Guernsey family cow, tame, good milker, women can milk her Also a 2 yr old female AKC Siberian Huskey 1 blue and 1 brown eye Wanted - early tob plants PH 215 683 6628

For Sale 20 years National Rifelman Magazine 1955 to 1975 in very gd cond $150 you pick up or pay shipping 609 935 4541

For Sale IH No 234 mounted picker with husking bed and sheller unit attach Gd cond Priced to sell Call (717) 966 2326

For Sale Reg Appaloosa yrlg filly Flashy gray with black spots and white on face $400 and pony cart $45 Call 717

MAILBOX MARKET

For Sale - McD tight bottom hay loader, good condition, best offer Mr Aldinger 717-367-5235 between 4 30-5 30 p m

For Sale - red poker plants, handy field grown plants, multiply each year $1 each 6 for $5 Jenny Hartman 215 445-5688

Wanted - parts for JD 14T baler with No 2 ejector, need mounting brackets and drive shafts for ejector and wagon hitch 215-298-3386

For Sale - Welder, 4 cyl engine, on wheels, 1 horse air compressor Jonathan A Stoltzfus, S Harvest Rd , Ronks, PA

For Sale - Steel galvanized corrigated drain pipe, 5 ft diameter 21 ft long 717-898-8921

For Sale - model 200 Fox harvester, 1000 rpm PTO electric knife grinder, hyd snout turner, 2 row corn head, 34 in rows & up, original knives, exc cond 717-866-5692

For Sale - JD corn binder PTO on rubber 609 629-6058

For Sale - Goats 215 935 1020

For Sale - 1 Estate Heatrola $75 and 1 estate Heatrola $100 Bartville Dry Goods, R1, Christiana, PA

For Sale - Antique operated warehouse elevator to be removed shortly D A Brubaker, Rd 1, Ephrata, PA 717 733-7425

For Sale - Case 446 tractor with 48 in mower, reverse roto-tiller, sleeve hitch, PTO, utility cart, front & weight box with weights, $2,995, call after 5, 717-665-7837

For Sale 24 ft 16 in heavy steel pipe 12 ft of 12 in galvanized pipe 717-872-7654

For Sale - Super 717 NH chopper, 1 & 2 row heads 717-243-4923

For Sale - Breeding age Duroc boars, service age, validated herd, delivery can be arranged 717-859-2264

For Sale - Used Sputniks PH 717-354 4158

For Sale - Duroc boars from tested and show winning bloodlines Dutch Valley Farm, R5, Manheim, PA Mark Nestleroth 717-665-6220

Save fertlizer dollars by using poultry manure, delivered in dump trailer Also peat moss & mushroom soil delivered in dump trailer 717-859 3348

Fox Terrier stud service 717-354-7186

Wanted - Sputnik milk porter Daniel F Lapp, Box 383 #2, Ronks, PA 17572

For Sale Nubian Reg Dairy Goats, show and milk quality, milking does, kids and stud bucks available Reasonable prices Gettysburg Nubians 717-334-1915

For Sale - Four row John Deere cultivator, like new 717 354-7181

For Sale 5-bar side rake, like new 717-225 3758

Wanted 12 volt agitator motor state price Willis N Zimmerman, R1 East Earl, PA 17519 PH (717) 354 5489

For Sale McDeering #5 Flail chopper running order $375 Oliver OC3 Crawler wide gauge $900 215 944-9307

For Sale 175 bu Gravity bin, used 2 yrs A 1 cond Elmer E Kauffman Rt 2 Box 6, Christiana PA 17509

Free Becon double deck hanging chicken cages for 4000 chickens, gd shape used till now Must be taken out

MAILBOX MARKET

For Sale - 1 small crimper H J Dietrich, Rd 1, Richland, PA 717-933-4940

For Sale - Badger stable cleaner, 170 ft heavy duty chain, 16 ft metal loader chute 717-264-6040

For Sale - 12 ft E-Z Flow Fertlizer spreader, used little $500, 2 row MH cultivator, $50 609-259-7332

For Sale - 12 hp Sears tractor, mower, plow, harrow, tiller, snow blade, service and parts agreement paid to June 1979 Wiley 215-459-3842

For Sale - 400 5 lb Hubbard Golden Comet yearling chickens, laying 80% brown eggs with less feed Levi Miller, S Vintage Rd , Paradise, PA

For Sale - 250 bu Williams soybeans $7 per bu , 19[illegible] Ford 1 ton cattle truck, good condition, 18-4-34 tractor tire mounted on rim, 717-944 3044

Wanted - 14 ft wide x 12 ft high overhead door 215 445 5697 6-8 a m or p m James M Zimmerman Rt 1 Box 459A, East Earl, PA 17519

For Sale - 3 hp Petter diesel in A-1 condition, just overhauled and too small for my use, best offer by June 30 Henry L Swarey, Box 450, West Willow, PA

For Sale - JD 50 with rollamatic, heavy duty 2 excellent wheeled trailer, both in excellent condition 717-624-8647 Ray E Ruppert, Rd 2, Box 202, New Oxford, PA

For Sale - 1952 JD A wide front end, cast iron wheels, very good condition $850 717 235-5910

For Sale - 60 head feeder cattle 500-900 lbs IH 130 with 6[illegible] mower 717-865-2228

For Sale - NH 271 baler well care for, good condition 717-249-3898 or 697-3496 $900

For Sale - JD 1209 haybine, 9 ft cut in good condition 717 547 1789 or 547-6172

For Sale - 3 silver shield center draw bins (grain) 12,000 bu each, loading auger across top 717-275 4607

For Sale - NI 4 bar side delivery hay rake on steel $75 717 789 3260

For Sale - MH 80 10 ft cut combine 717-532-4324 or 532-7693

For Sale 300 Int utility with industrial loader, 7 ft dirt bucket, 5 ft manure bucket chains, ideal for sawdust $3000 717-726 3363

Wanted - good used wet brush apple washer also a good used rotary strainer R P Kanagy, Jr Flint Rd , Mifflintown, RD 2, PA 17059

Antiques Walnut top, 6 leg, gate table refinished 1 Boston rocking chair with roll seat, original paint yr 1875 Adams Co 717 359-5777

For Sale - Mc rotary sythe, 7 ft good condition $1500, American Bison (buffalo) calves, 6 weeks old $450 717-225-4317

For Sale Glass out of a 19x80 greenhouse cheap Menno Stotzfus Madisonburg Box 54, PA 16852

For Sale - Del Ray pickup camper 10½ ft , sleeps 6, stove, refrigerator, heater $895, good shape 717-993 2802

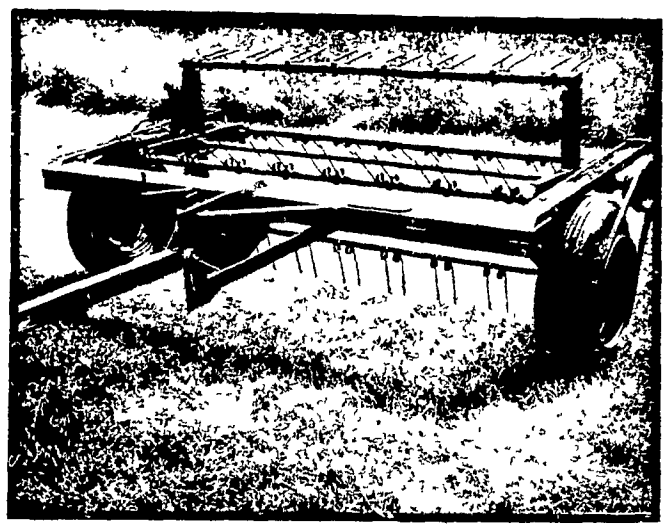
For Sale JD 630 on steel, good condition $3000, needs paint and a tune up 215 445 7211 after 6 p m

For Sale BB4 Surge vacuum pump with 1½ hp motor $150, dumping station with vacuum releaser and hose dryer $475 215 488 7427

For Sale Grove and JD bale wagons 8 ft x 16 ft wide track

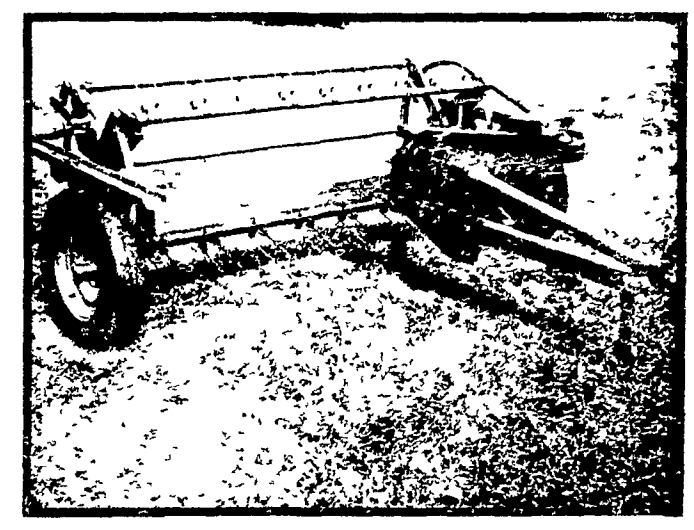
June is dairy month

MR. DAIRYMAN: WE CAN HELP YOU MAKE QUALITY HAY BETTER & FASTER WITH GRIMM TEDDERS



MODEL "B" GROUND DRIVE

MODEL "C" P.T.O. DRIVE



►►►► HERE'S WHAT MAKES GRIMM BETTER ◄◄◄◄

1. CAST IRON PLANETARY KICKER.
2. RUGGED, HEAVY DUTY CONSTRUCTION.
3. STEEL OR RUBBER TEETH.
4. ADJUSTABLE FOR EXTRA GENTLE ACTION.

RAIN OR SHINE: IT PAYS TO BUY A GRIMM HAY TEDDER

RECONDITIONED EQUIPMENT

AC no-til corn planter model 300, 4-row
JD grain drill, 16 x 7
IH 3 bot. plow, mounted, fast hitch
IH 400 cyclo planter, 4-row, w/fert.
Krause 2202 disc, 13 ft. 6" Rockflex
IH 56 planter, 2-row
Donahue trailer, 7 ft. x 21 ft.
IH 315 packer-mulcher, 12 ft. 4"
Glencoe soil saver, 9-tooth
Leiy roterra, 12 ft.
Brady mounted chisel plow, 7 ft.
Bearcat grinder-mixer, model 1250, like new
IH 560 plow, 6F, 16"
IH 101 Manure spreader on steel

RECONDITIONED COMBINES

IH 915 with 4 row cornhead
Case 660G 2 row, 13 ft.

RECONDITIONED TRACTORS

Int. Super C w/side mounted sickle bar mower
IH F656 gas hydro w/2000 loader
IH 544 gas hydro utility
Ford 860 w/loader
Deere 4010 w/duals
IH 460D
IH 436b 4WD w/duals
IH F1466D w/30.5x32 tires
IH F706 gas
IH F100D hydro
IH F1026D hydro
IH F766D w/cab
IH 4166 4 WD w/PTO, hitch

CALL PARTS DEPARTMENT

CALL US, COULD BE WE HAVE IT

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List $3.95
Special
$2.95

MULTI-PURPOSE - USE ON SURFACES, TOO!
CLEANER REMOVES ...
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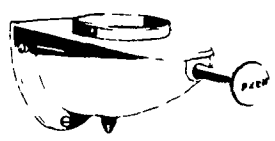

999561R1
List 99¢
Special
75¢

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MAILBOX MARKET

For Sale - Rope halters for cattle made to order Call Abe Wickenheiser 717-898-7020

For Sale - Purebred Yorkshire boars, 100 plus lb average From Thomas Stock Two litters to choose from Reasonably priced 717-653-1263

Wanted - Need tobacco plants PH 717-859-1523

For Sale - 1 service age Yorkshire boar Charles Merkey, Fredericksburg, PA 17026 PH 717-865-5968

For Sale or trade - Nice bldg lot, water & elect near lake fishing, boating Reasonable B Wilfley 234 W Park La., Clifton Hts , PA 19018

Wanted - Steam traction engine, condition of engine not important,' can be in any state of disrepair 215-678-4394

For Sale - Deep well pump ½ h p guaranteed $80, or best offer Write Aaron K Smucker, R3, Quarryville, Box 78, PA 17566

For Sale - Massey Ferguson Haybine 9 foot excellent condition $1900 PH 215-944-8051 Wanted - used belt conveyor

---

For Sale - Two excellent Quarter Horses Ready for the show ring. Gelding and 1 Mare Real good bloodlines Call 717-523-0413 John H Liggett, 197 Smoketown Rd , Lewisburg, PA 17837

For Sale - Purebred Yorkshire Service age boars Vaccinated for disease control Aaron Lee Martin, 215-445-4825

For Sale - 400 gal Dari Kool milk tank JD #30 pull type combine 1 set of JD 2-row corn cultivators 301-692-5184

For Sale - Saddlebred buggy horse, needs work, family broke John R Allgyer, R1, Gap, PA along Mt Vernon Rd

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For Sale Reg yearling Polled Hereford bull at beef price 215-589-2966

For Sale 6 week old Purebred Duroc boar and sow pigs 301 452-5122 eves

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For Sale - 450 NH 3 pt mower Also 5 ft Bush Hog rotary cutter 717-949-3512

---

54 pieces 10 ft 26 pieces 9 ft used channel drain, roofing to be sold at David Good Sale June 7

For Sale - Black ram lambs, ready to breed in fall Karakul Hampshire cross Located near Darlington, MD 301-836-3716

For Sale 2½ cu ft cement mixer w/electric motor drive Band new PH 717-354-5092

For Sale - Ives and Lionel trains and accessories Lionel transformer Rifelman, Popular Science, Western Horseman, A Q H A Journal Magazines 215 683 5269

For Sale International No 450 4 row corn planter, mechanical lift, with fertilizer and insecticide boxes, good shape 215 267-7796

For Sale - Old wagon shed 36 ft by 40 ft Many old beams and much lumber You must remove same $250 PH 717 642 5230

Pick your own Strawbrries or ready picked Start June 8th levins Fruit Farm 1 mi S of wartstown PA 717 993

Fo AC Hay conditioner
1 s rubber roll good
cond ble an offer 717
758 3/

For Sale coats mixed
Eskimo W ps Jonas
Fishe May ffice Rd
P Qu rryv of Mt

MAILBOX MARKET

Wanted - Registered Holstein bull capable of immediate service Nichol Bros , Landenberg, PA, R1 19350 215-255-4835 or 4836

For Sale - Registered Astronaut Bull born March 1977 Dam very good DHIA over 26,000 milk, 1100 fat $500 PH 717-865-6836

Wanted - Willys Jeep Utility wagon body in very good condition 609-397-2569, P Adams, R2, Box 151, Lambertville, NJ 08530

Wanted - Used backhoe running condition to use on farm PH 215-488-1335

For Sale - Saanen Doe, just fresh, doe and buck kids Also triplet doe Saanen kids, from excellent milking stock PH 717-546-6569

For Sale - 520 Oliver baler with chute $450 York Co. PH 717-292-6361.

For Sale - Big Saddlebred Carriage horse Also smaller buggy horse Jonas S Esch, R2, New Providence, PA 17560

Wanted - Stock Trailer, 16 ft tag-along, reasonable, will pick up Write R Mayer, R1 Box 230, Glen Gardner, NJ 08826 201-832-7252

For Sale - Roller Bearing buggy, very good condition J.K King, Paradise R1 Box 119, PA 17562 along 896 near Georgetown

---

For Sale - Acorn cable gutter cleaner with 150 ft of cable (left hand) 717-442-4569

For Sale - Potatoes $2 50 for 50 lbs Also Holland transplanter on tool bar, potato grader 215-273-2810

For Sale - Girton 330 gal bulk tank 2 Surge milker units w/50 lb pails, both good cond 717-626-5539

Wanted 6 ft McCormick Deering grain binder Ammon Martin R1, East Earl, PA 17519

For Sale - Reg Morgan horse, mare, broke to ride and drive, lots of snap Jonas K King, Box 343, R1, Paradise, PA

For Sale - Zook Model 2 row cultivator, good condition $350 Abner Stoltzfoos, Box 418, R3, Quarryville, PA Lampeter Rd

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For Sale - Boston Terrier, male & female, 4 yrs old $35 ea York 717-757-3306

For Sale Western horse saddle, bridle & blanket Pony halter & bridle Ex cond 717-665-7188

For Sale - Int #22 sickle bar mower w/5 ft cut, used once $400 Fairfield, PA 717-642-5665 after 4 p m

---

For Sale - AKC Miniature Dachshund puppies, red & black John C Miller, 1755 Williams Rd , York, PA 717-755 4785

For Sale - JD 246 corn planter w/fertilizer unit in fair condition Price $275 PH 717-665 7324

For Sale - 10 yr old sorrel saddlebred horse, works single and double, women can drive B S Beiler, RD 1, Box 85, Christiana, PA along S Vintage Rd

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For Sale - 2 white work horses, good workers Elam B Stoltzfoos, 91 Hess Road, Leola Pa

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For Sale 10 Bale Golden 9,000 baler twine, $11 00, 717 665 3865

For Sale By Owner 3 bedroom brick Rancher in Kissel Hill 717 626 5187

For Sale Grain binder excellent condition Ph 717 442 8276 after 5 30 p m

MAILBOX MARKET

For Sale - 72 Dodge Challenger, 318 engine, air cond , no rust, Keystone mags, extra snow tires, factory rim and hub caps $1400 717 529-6315

For Sale - Purebred Elkhound pups, Bennie M, Kauffman, Rd 1, Box 285, Christiana, PA 17509

Wanted - Good used breeding wheel, 50 lb DeLaval milker bucket John S Lapp Box 24, Rd 2, Prospect Rd , Strasburg, PA 17579 717-687-8802

Wanted - Dairy farm, 28 cows, 50 plus acres, SE PA, non developmental area, old brick or stone home 215-869-8639

Found - White Eskimo dog Leola area PH 717-656-8769

For Sale - Western Saddle, Double skirts, covered stirrups, padded seat, like new $125 215-947-2815

For Sale - International hay rake, no rubber $250 609-965-0467.

For Sale - Muscovy duck drake, black and white, 1 yr old Samuel L Fisher, R1 Newport Rd , Gordonville, PA 1½ mi E of Intercourse

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For Sale - 1 gander, 3 geese, Chinese African - laying $10 Also Estate coal stove, good condition $30 Benuel L Fisher, N Cherry Lane, Ronks, PA

For Sale - Ball bearing top buggy Wisconsin VF4 starter clutch, 4 in 1 reduction McCormick Deering PTO corn binder Aaron M Reiff, 1935 Rothsville Rd , Lititz, PA

For Sale - Universal pipeline - 4 units for 16 stalls, complete with vacuum pump and automatic washer $1000 717-935-2994

For Sale - Int roll bar rake and Windrow turner, both in good condition 717-653-5811

For Sale - Purebred German Short hair pointer puppies, including mother, good bloodline 717-949 3317

For Sale - AC B with lights, hydraulic, rotary mower and cultivator $1500 717-766-0593

For Sale - Chicken house to be torn down 200x36, make offer 717-529-2126

For Sale - 40 ft 9 in leval flow silo pipe, gooseneck, 9 ft wooden conveyor 717-786 7654

For Sale - Farmall C with cultivator $650, 3 section spring tooth harrow $50, York Co 717-244-3415

For Sale - AC series 2 D15 best offer over $2500, Athens 11½ ft disc $3200, Int 37 baler with thrower $925 717-653-8703

Lost - Eskimo female dog Samuel K Stoltzfus, Peters Rd , Rd1, Kinzers, PA For Sale 1975 Chevy 30 series truck, 292 engine, 750-16 8 ply tires, flat bed, excellent 717-532-4695

Wanted - PTO shaft in good condition for NH 270 baler 717-776-7465

For Sale - NH #7 forage box, good working condition $450 717-354-7151

For Sale - Hawk built round baler, makes large bales 717-568 7271 or 284 4905

For Sale - Double registered paint Pinto yearling filly, 2 weanling paint breeding stock fillies, all with excellent quarterhorse bloodlines 215 562 7776

For Sale 1280 JD 8 row corn planter liquid set up like new on transport wheels $2950 201 879 5851

For Sale Ford 501 3 pt 7 ft sickle bar mower $395 NI hay conditioner $75 717 933 4887

MAILBOX MARKET

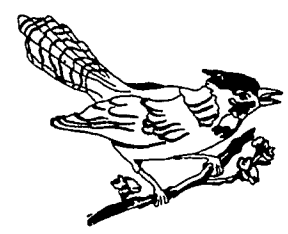
For Sale - 2 purebred white billy goats, will sell or trade $35 each Trade 1 billy for 1 3 or 4 mo old David L King, Rd 2, Herr Rd , Box 441, Ronks, PA

MAILBOX MARKET

Wanted - Person parttime with knowledge on DHIA work and cataloging cattle for dairy dispersals Write Box 366-J-41, c/o Lancaster Farming Newspaper, Lititz, Pa 17543

MAILBOX MARKET

For Sale - Old farm dinner bell, Farmall M tractor, Farmall Super M tractor, WD, AC, BN Int with cultivators, JD H for parts, potato plow 717-865-6585



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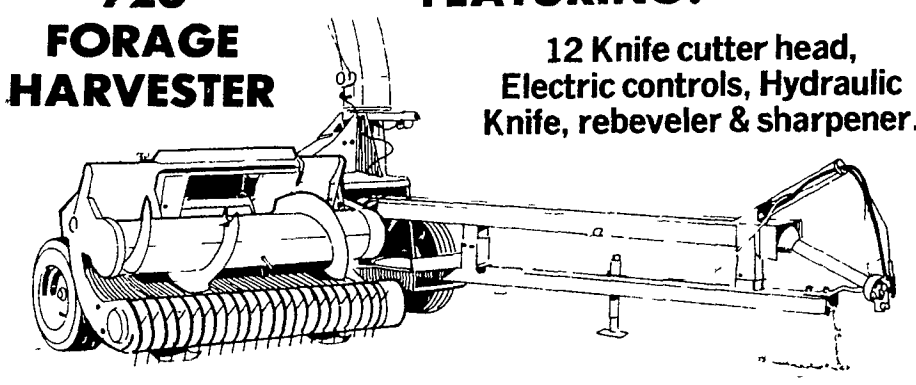

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MAILBOX MARKET

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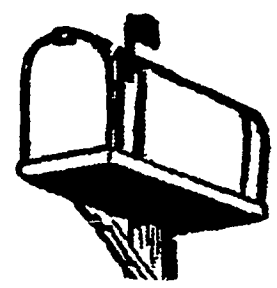

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Limit your advertisement to 20 words; area code must be added to phone number; all advertisements must be in our hands by Tuesday at 5:00 P.M. or same will be held over for next week's paper; no business advertisements accepted.

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For Sale - 1976 Scout Traveler, diesel engine, 45,000 miles, A-1 Ph 717-768-8231

New Classification Results on the JOBS

BROWNCROFT STANDOUT PAMULA (VG-87)
Excellent Mammary

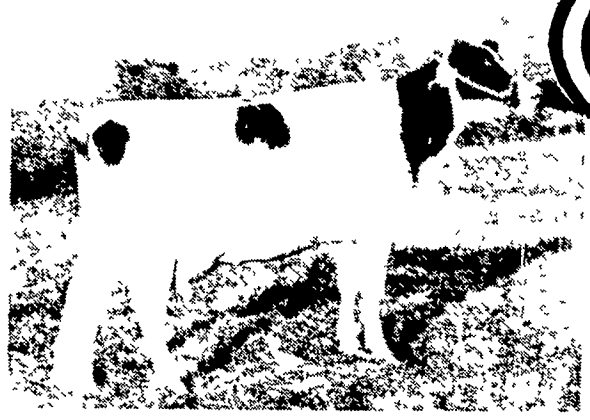
2y0m	333d	2X	18,171	4.2%	757
3y0m	296d	2X	24,186	4.1%	1002

9H143 Hillhaven Standout JOB

3.8% test level

+ 1250 PD Milk 83% Rpt.

Gold Medal



BROWNCROFT VERNON JOB IRIS (VG-87)
Very Good Mammary

2y	317d	2X	16,258	3.8%	621
3y	306d	2X	25,743	3.9%	994

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BROWNCROFT EVES JOB FANNY (VG-88)
Excellent Mammary

1y	11m	335d	2X	16,125	3 8%	619
3y	0m	306d	2X	22,265	3.6%	810

9H134 JOB continues to be the most popular bull at Sire Power He is now +1250 PD milk, with a 3 8% test level, at 83% repeatability, and he is 100% A I proven His pedigree includes breed greats "Ivanhoe" and "Standout " We believe in **JOB** and are using him as a mating sire for future sons at Sire Power

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We anxiously await his next type information this summer

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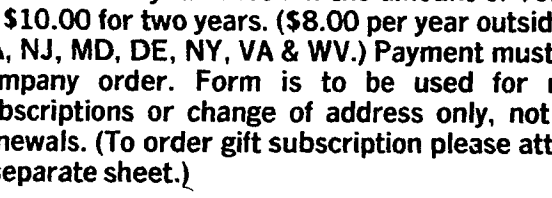

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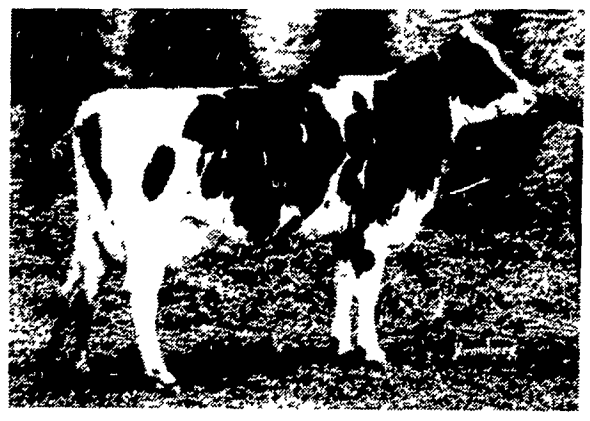
AGRI-KING
KEY TO PROFIT

June is dairy month

AGRI-KING CONGRATULATES A BERKS COUNTY DAIRY FAMILY

Mil-Joy Farm and the Ernest Miller family.
Front row: Scott, Sandy, Mr. Miller. Back row: Mrs. Miller, Todd and Cindy.



Mil-Joy Elevation
Starry Eye VG 86
owned by Scott Miller

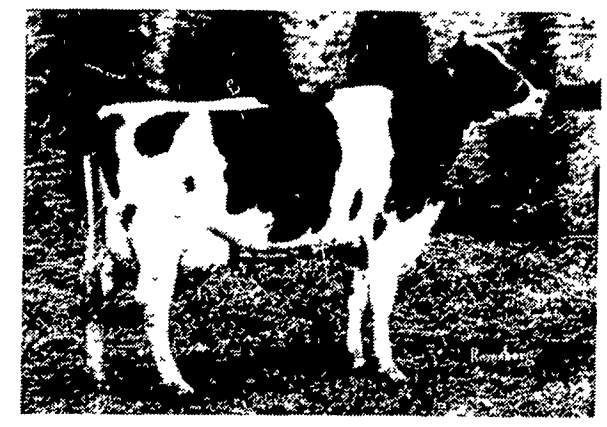
age	days	#milk	#fat
2-3	305	25,319	738

Agri-King has had the privilege of working with the Miller family for almost three years They started with us in September 1975 with a rolling herd average of 12,356 lbs milk 3 5 test with 429 lbs fat on 195 cows

By the beginning of 1978 their herd had outgrown its present set-up, so they decided to sell over 100 of their best cows As Mr Miller puts it "On March 6, 1978 we had our sale That was one big milk check This is one of the benefits from not having to sell the good cows for hamburg

We're set up here to feed three groups of cows - high producers, low producers and dry cows Our high moisture grain is stored in an upright silo and roughages are stored in trench silos Agri King samples our feedstuffs and builds us separate rations for each group of cows according to the lab results It is then all weighed and mixed in a mixer wagon and fed once a day We realize that feeding once a day is not the best, but because of the labor situation I feel that it is satisfactory for us right now "

Present level of production is 15,906 lbs milk, 3 4 test with 543 lbs fat on 104 cows



Mil-Joy Elevation
Helpful VG 85
owned by Todd Miller

age	days	#milk	#fat
2-4	310	22,498	706

SANDY MILLER, PA. STATE DAIRY PRINCESS

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As farmers and farm wives you can help me in promoting our good product . . . MILK. Why not put a 'Drink Milk' sign at the end of your lane, or paint it on the side of your barn. Perhaps you have your own special way of promoting milk.

It's also very important to drink milk at home, but especially away from home. If we don't show enthusiasm and interest in our product we can't expect anyone else to. Let's put our mouth where the future is. What we drink does make a difference.

Sandy Miller

Agri-King wants to take this opportunity to salute all dairy farmers and to give our customers a word of thanks and wish them continued success in the future.

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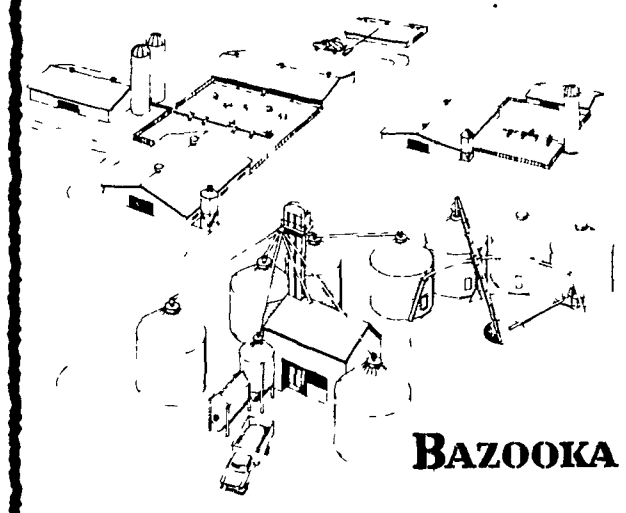

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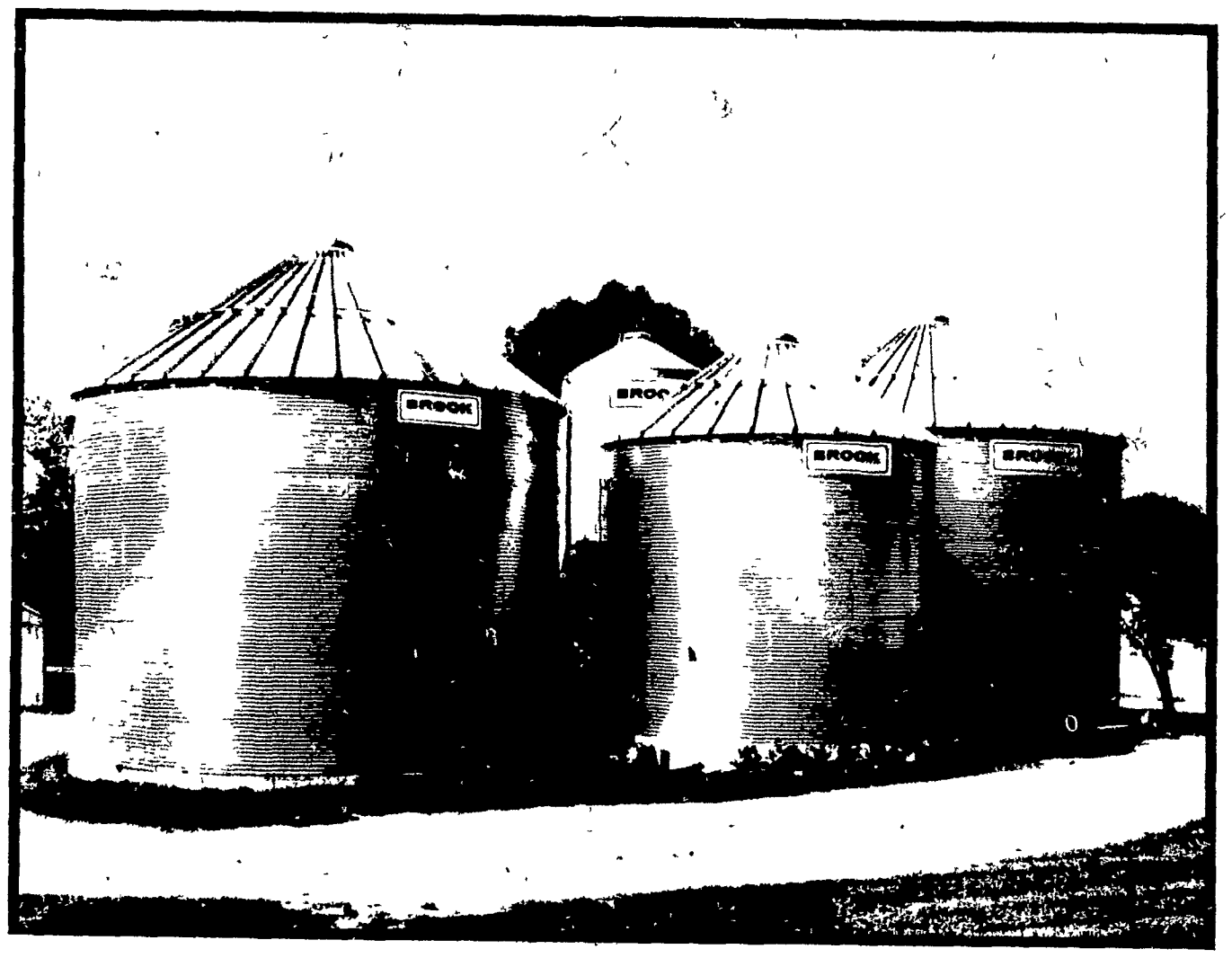

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BAZOOKA Grainclean'r is a rotary type scalper/cleaner with a built-in fines collector.

Louise Witmer has set opinions on dairy industry

Making entries in the record book is one of the most important jobs on the farm. Here Louise Notes some recent expenditures.

Although there is little free time, Louise shows off some crewel embroidery she managed to complete.

Louise stands before a trophy case filled with honors from the show ring, and production awards.

By SALLY BAIR
Staff Writer

WILLOW STREET – "If young people don't like the way milk tastes they won't drink it, I don't care what kind of advertising you do," Mrs. Raymond Witmer, Willow Street R1, observes. Louise Witmer is a concerned, active farm wife who feels dairy promotion is important. But she thinks producing good quality milk is even more important.

With conviction, Louise points out, "Dairymen must work toward producing a good bottle of milk that people like. I think we must improve solids. You must breed toward it. You need more solids and not as much fat. We must make it palatable to youth – they are our future."

At Penn Del Farm, the Witmers are prominent Guernsey breeders and enthusiasts, but Louise feels all breeds must work together toward a good, palatable product. It is well known, of course, that Guernseys have a high solids content – and high fat – but today in this area, most dairymen no longer get a premium for "Golden Guernsey" milk. The Witmers once sold "Golden Guernsey" milk but now ship to Turkey Hill where no distinction is made. But Louise notes proudly, "When the cream comes off Guernsey milk, you still have nice-looking milk. It is just the characteristic of the breed."

Louise points out that Golden Guernsey is still popular in other parts of the country, but attributes its decline in this area to the "butterfat and cholesterol problem." However, she said, "You know the experts are reversing themselves on cholesterol -it won't be the first time they are wrong. They are finding that a lot of other things contribute to some health problems today. There is much more involved than just food. Tensions and pressures can affect our bodies. We probably all should adjust our diets to our activities. None of us does as much physical work today as we once did – even on a farm."

At Penn Del Farm it is a truly family operation with sons Peter, 25, and Mark, 22, helping in the operation. Daughter Susie, 20, has finished two years of college and is working at Mill Bridge for the Summer. Mary, 12, is in sixth grade at Lampeter-Strasburg schools, and can be found in the barn in the evenings. Louise says she doesn't help milk when all the children are home, but it is not unusual for her and the girls to do all the milking in the Summer when the men are working in the fields.

Well-known in Guernsey and dairymen circles, the Witmers have an active interest in what goes on. Raymond is president of the Pennsylvania Guernsey Breeders Association and Peter is president of the Lancaster County Guernsey Breeders Association. Louise says, "I think it is important to be involved if you're going to stay in business. You must be well-informed and know the trends in any breed. If you don't try to keep up with things you won't be successful.

Witmer herd includes 140 head of registered cows, with about 65 milking. Their rolling herd average is 12,534 milk, 610 fat and 4.9 test. They farm 130 acres of their own and rent an additional 145 acres.

Louise Witmer, nee Zeitler, comes from sturdy German immigrant stock: although born in this country, she was named after the wife of Kaiser Wilhelm. Her father and mother lost everything they had in World War I, and her father came to this country in 1923, alone and with $40 in his pocket. Her mother and three brothers followed in 1924 and were reunited with him in Texas where he had gone to establish a life for them by farming cotton. However, he decided Texas was not the place to settle, so through reading German language newspapers he found a farm for them to rent in Wisconsin with 60 Holsteins. Since it had been the custom in the "old country" for women to milk cows, none of the men knew how, and so it fell to Louise's mother and a sister-in-law to milk the 60 cows - by hand! Louise was born in Wisconsin.

After two disastrous fires, the family rented a fruit farm for 1½ years, but all the while the elder Zeitler was reading German newspapers from the East. Louise said, "He felt the money was in the East where the cities were." In Wisconsin there was little market for milk – they could sell only the cream – and even the fruit was practically given away.

So the family moved to a rented farm in Bucks County, then bought Springvale Dairy Farm in Elkton, Md. where there was a mixed herd of cows. This led to their first experience with Guernseys. Eventually the family sold the 610 acres in Maryland and purchased 700 acres in Glasgow, Del. where Zeitler Farms was founded. There were Jerseys and Guernseys on that farm, but the herd eventually was developed into a all-Guernsey herd, with all registered stock.

It was on a Lancaster County Guernsey Breeders tour to Zeitler Farm that Raymond met Louise and a courtship ensued which led to marriage in 1951. When Louise moved to their present house, where Raymond was born, the farm became known as PennDel Farm.

Louise said, "I always helped with the work at home. I fed calves and milked cows and baled hay." While she didn't do the actual milking early in their marriage, she continued to do other farming chores.

Today she still enjoys working at the barn, but she also keeps all the farm records, a job which she feels is important to an understanding of the farming process. "I think husbands and wives should work as a team. Those that are successful work together. If you help keep records you know what's going on and can understand things better." She said it is also important if something should happen to the husband and the wife is left to figure out the accounts. Louise also draws off all the calves for registry, and names them.

Louise is optomistic about the future of dairying "for those who are willing to give their utmost. It will change – there will be things we don't even know about now. There is a certain risk, but that's true of everything."

It will be harder for young people to start in farming, Louise feels, "Unless there is help from home or someone else. If someone is determined to make it, there will be a future. A young man will find ways if he tries hard enough."

Having just returned from a trip to the South to the national Guernsey convention,

Dairy issue Homestead Notes

Louise said, "It's good to get away from the farm if possible. You can see what others are doing and get ideas for improving." She sees management as the most important asset in a successful dairy operation.

As for the problem of disappearing farmland, Louise acknowledges that the pressures on land south of the city are not as great as in other areas of the county. However, she said, "I think good land should be kept for farming. There is only so much land. If it weren't for the land Lancaster County wouldn't be what it is today. For housing land, should be used that can't be successfully farmed." However, she added realistically, "It depends upon which side of the fence you're on."

The Witmers are active in the First Presbyterian Church of Strasburg, where Louise is a member of the women's group. She is also a member of Farm Women Society 22. She doesn't have time for many hobbies, but has some lovely examples of crewel embroidery she had done. Her home is filled with lush flowers, which she says are brought home by Susie and left for her to care for. And anyone who has passed their home along the Beaver Valley Pike in the Summer knows that she enjoys the beauty of flowers.

To Louise Witmer, hard work is second nature. Her knowledge and enthusiasm make her a valuable asset to the Penn Del dairy operation.

On being a farm wife

—And other hazards

By JOYCE BUPP

Let's celebrate June, national dairy month!

In honor of this month, I'm offering to sell individuals in our dairy herd as "House Cows" to all those people who keep complaining to me about the "high" cost of milk.

If all goes well, their "average Pennsylvania cow" will produce about 11,000 pounds or 1280 gallons of milk each year. Therefore, each house cow will save their owner the 80 cents per gallon that the farmer would receive, plus the other 80 cents per gallon that goes to transportation, labor, packaging, processing, refrigeration distributing and retailing.

Of course, there's the initial investment of about $1,000 for a dairy cow that's just come fresh with her calf and is ready to milk for 10 months.

And, before we haul her to her new residence, the owner will have to build her an adequate home complete with exercise pen. A comfortable well-built shed at about $1,000 should do nicely. (That's the ballpark figure a farmer must invest per cow in dairy buildings.) Three new steel gates, at $40 per sixteen-foot gate, will attach to the shed and provide her playground.

Cows need a very carefully balanced, nutritious diet to produce good-tasting milk – weeds and garlic are considered unacceptable.

Unless there's a handy neighborhood silo nearby, our cow owners will need to lay in a daily supply of 40 pounds of leafy alfalfa hay. That's over seven tons, annually or nearly $900 worth at current prices.

Grain, about 15 pounds daily, will be another cow diet necessity. Bessie will eat about two and one-half tons of that annually, another $400 worth. Soybean protein concentrate might cost another $100 and she'll need maybe $25 worth of minerals. It'll take at least 20 gallons of water each day to wash all this down into her four stomachs.

Unless the cow is potty-trained or diapered, she'll need adequate bedding to stay dry and clean from the daily manure production. At the rate of half a bale of straw daily, two dollars per bale, cow owners can figure an additional $360 bill yearly.

Also recommended for the periodic barn cleanings are a shovel, fork and a sturdy wheelbarrow. Hopefully the neighbors all believe in organic gardening.

Each year, Bessie must be bred, or she'll dry up and go on permanent unemployment. For roughly $15, the artificial inseminator will settle the cow in calf. To do so, they must detect the proper hour on the proper day – a tougher job than what it sounds.

Two months before she calves, she must be turned dry to rest her body and prepare for the delivery and the stress of milking another 10 months. While her owner is running out to buy milk, she'll still be demanding her daily rations.

Vet and medicines may add another $100 or $1,000, depending on whether she is prone to mastitis (they'll have to throw away the milk several days after treatment), sore feet, hardware in her stomachs, stomach twists, fever, upset stomach, or ketosis. Blue Cross and Medicare do not cover cows, incidentally.

Faithful Bessie works non-stop, pumping out that three and one-half gallons daily, so let's hope they have an extra refrigerator or make yogurt or cheese or ice cream frequently. She'll have to be milked twice each and every day: weekends, holidays, when it's 10 degrees below, when its 95 degrees above, during their week at the shore and on the night they have tickets to the World Series or the Superbowl.

I wonder what they'll do with all the money they save on their milk bill?

Md. goat show set

WESTMINSTER, Md. – The annual Maryland Dairy Goat Association Spring Show will be held on June 10 and 11 at the Carroll County Agricultural Center, in Westminister, Maryland.

All shows are sanctioned by the American Dairy Goat Association. The judge will be Miss Peggy Considine, from Portage, Wisconsin. All five breeds will be judged.

Starting Saturday morning at 9 a.m., will be the 4-H and FFA Show, and Saturday afternoon is the Buck Show. Sunday morning is the Jr. Doe Show, and Sunday afternoon is the Sr. Doe Show.

For more information, contact Mr. and Mrs. Brad Wigle, 301-775-2198.

Nutrients in milk

It's estimated that, during 1977, dairy foods contributed only 11.1 per cent of the total calories available in the U.S. food supply, yet they provided: - 75 per cent of the calcium - 39 per cent of the riboflavin - 35 per cent of the phosphorus - 22 per cent of the protein - 22 per cent of the magnesium - 20 per cent of the vitamin B-12 - 13 per cent of the vitamin A value - 11 per cent of the vitamin B-6 - 9 per cent of the thiamin (B-1) - Almost all the vitamin D intake and significant amounts of niacin equivalents.

Eggnog - is a mixture of milk, eggs, sugar and cream. It may also contain added flavorings such as rum extract, nutmeg or vanilla. It's a seasonal product most readily available during the Christmas holidays.

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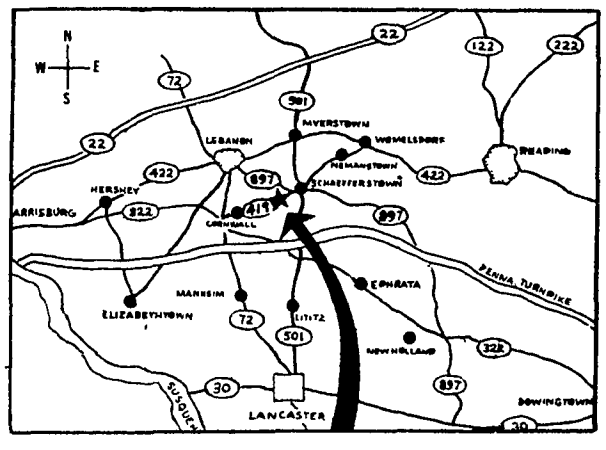

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Crochet with Squares	1.00
Crochet a Wardrobe	1.00

Add 25¢ each book for postage handling

Drugs from cows

Dairy cows do much more than produce wholesome milk and nutritious meat. Some of their glands and organs are used to make drugs that save human lives. Insulin for treating diabetes is produced from cattle's pancreas glands. Liver bile is used to manufacture the drug cortisone and lung tissue extracts are used in the production of a substance used to control bleeding during surgery. Overall, more than 100 life-saving, life-improving drugs in current use can be derived from cows.

Ladies Have You Heard

By Doris Thomas

Lancaster Home Economist

THE COST OF CONVENIENCE FOOD

Cost is one of the factors the consumer considers when choosing to buy a convenience food. A research study now indicates that of the 162 convenience products studied, 32 per cent cost less than the same home-prepared product, but most cost more

The study defined convenience food as fully or partially prepared in which preparation time, cooking skill or energy is moved from the home kitchen to the food processor or distributor. Convenience food includes everything from frozen and canned fruit and vegetables to fancy meat main dishes and fully baked goods.

Of the vegetables studied, the cost break generally went to the prepared product. During the test period comparable amounts of fresh peas more than doubled the cost of frozen food canned peas. However, some vegetables, such as asparagus, Brussel sprouts and corn were a better buy fresh, during the height of their growing season. Vegetables with added features, such as sauces, are considerably cheaper when made totally at home.

Of the potatoes tested, prepared french fries and puffs were both cheaper than comparable products made at home But the other potato products – boiled, hash brown, mashed, patties, scalloped, and stuffed with sour cream were higher in cost when bought prepared.

One bargain on the convenience food shelf were the complete mixes for breakfast treats – hot cakes and waffles – which cost about two-thirds as much as homemade ones. In layer cakes the incomplete mix, which needs the addition of one or two ingredients, produced a less expensive product

Of the protein products studied, eight of the nine chicken products cost more than the product made at home. Frozen fish sticks and crab cakes were a better buy than those made at home.

Frozen orange juice concentrate was the best buy of the tested orange juice products.

As consumers evaluate a convenience food for its ease of preparation, its cost should be considered and compared to effort and time and skill saved in preparation

FORM AFFECTS PRICE

The shape or form of the food you buy affects the price tag. For example, if you like bread that conforms to your hamburger or hot-dog, you'll pay more.

Specialty breads, refrigerated bread products, and bakery items generally cost more than regular bread or a similar product you bake at home.

You also pay twice as much for cereal packed in individual, 1-ounce serving boxes than you pay for the same cereal packed in a 7-ounce box. However, there may be times when you want to pay more to get the variety found in eight different cereals in single-serving packages.

Spaghetti sauce – canned, dried, with or without clams, mushrooms or meatballs – offers a wide variety of ingredients at varying cost Consumers must evaluate quality, as well as convenience and cost when they reach for these items.

Farm Women's Calendar

Today, June 3

Lancaster Co. Society 1 meeting, program sheep and their uses.

Lancaster Co. Society 6 meeting, at noon. The group plans to eat out in Hershey.

Lancaster Co. Society 10 will entertain Society 30.

Wednesday. June 7

York Co. Society 1 meeting.

Thursday, June 8

Lancaster Co. Society 9 meeting, 12:30 p.m.; covered dish luncheon.

Lancaster Co. Society 15 Black Rock retreat, beginning at noon.

Friday, June 9

Lancaster Co. Society 13 meeting, 7:30 p.m., at the Coca Cola Bottling Co. conference room

Saturday, June 10

Lancaster Co Society 13 meeting.

Lancaster Co. Society 25 meeting, 1 p.m, at the Donegal Mills Plantation.

Chocolate Skim Milk - is made by adding chocolate or cocoa and sweetener to skim milk. It must contain 2000 IU of vitamin A per quart. Addition of vitamin D is optional.

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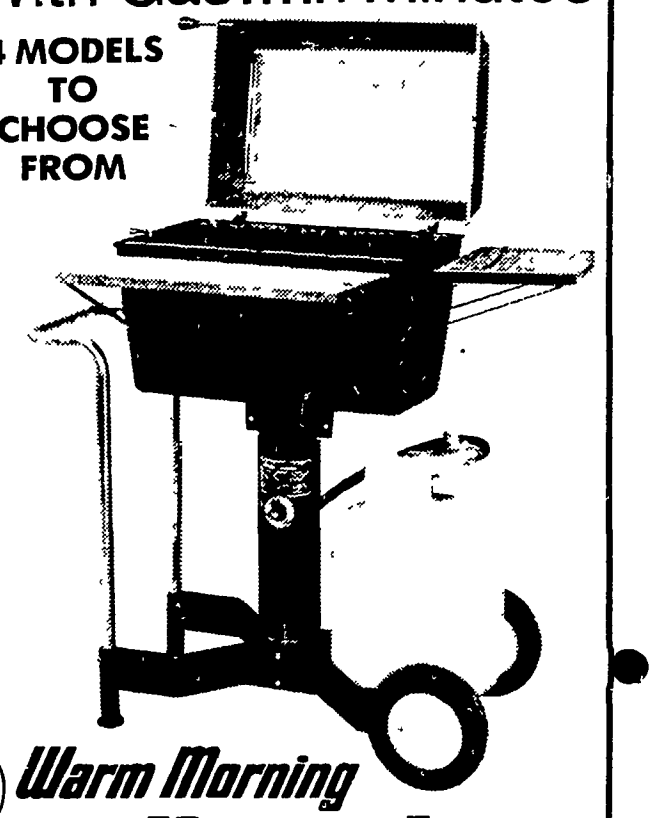

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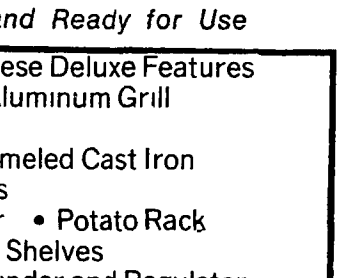

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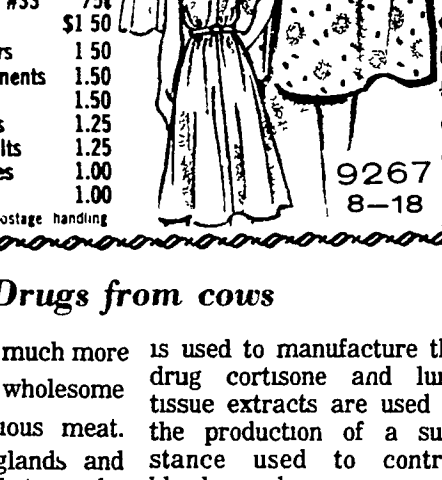

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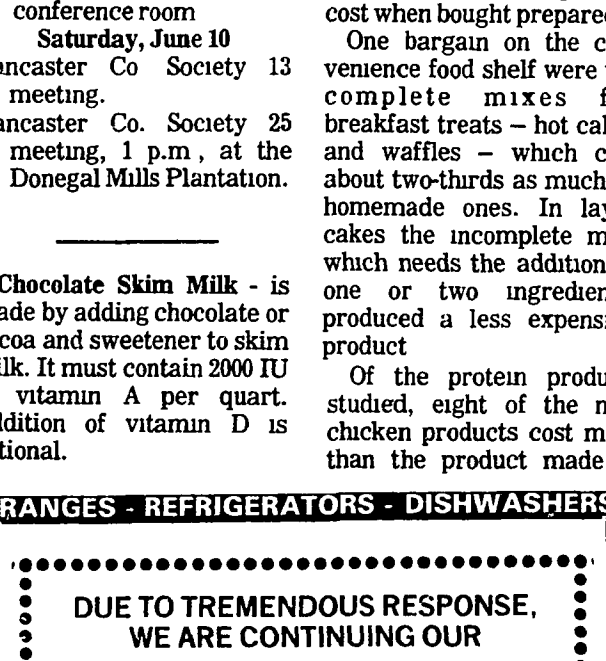

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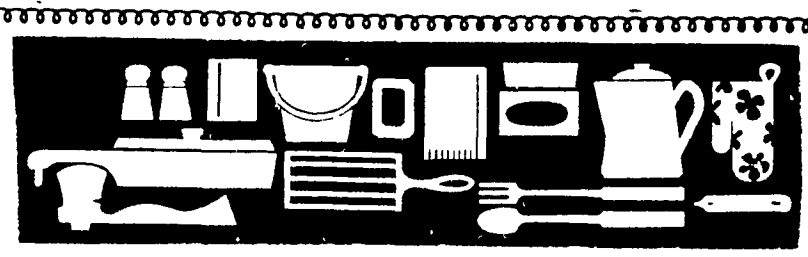

Junior Cooking Edition

This is the annual dairy issue, and here, too, in the Junior Cooking Column, you'll find lots of delicious dairy receipes to try out. There's bound to be something here for everyone, so look through, pick out the ones that appeal to you, and start cooking.

Recipes this week include: ice cream dessert, chocolate milk shake, cheese sesame sticks, vanilla ice cream, caramel pudding, chocolate chip cake, graham cracker pudding, ham soup, butterscotch pudding, and zippy beef.

Don't forget the important part that dairy products play in your food and have some happy cooking this week, trying the new foods.

ICE CREAM DESSERT

60 crackers crushed fine
½ cup melted margarine
2 packages instant vanilla pudding
1½ cup milk
2 quarts ice cream (vanilla)

Mix crackers and melted margarine and line dish or pan. Bake at 350°F. for ten minutes. Set aside.

Add pudding powder to milk. Beat two minutes at low speed. Let set for a few minutes. Add ice cream to pudding and beat. Pour mixture into prepared dish. You may sprinkle a few crumbs on top. Refrigerate. This dessert is also good frozen.

Ellen Z. Zimmerman
Age 11
Stevens, Pa.

CHOCOLATE MILK SHAKE

2 tablespoons cocoa syrup
¾ cup milk
2 tablespoons cream

Combine ingredients and blend thoroughly. Chill and serve in tall glass.

CHEESE SESAME STICKS

1 cup packed coarsely shredded sharp cheddar cheese
1½ cups flour
½ cup butter, softened
½ cup sesame seed, toasted (2¼ oz. can)

To toast sesame seed, stir in small saucepan over medium heat until browned.

Combine cheese, flour, and butter, and work with hands to form stiff dough Shape into four inch sticks by rolling between hands, then roll in sesame seed. Bake on greased cookie sheet in preheated 350°F. oven for 15 minutes or until golden and crisp Cool on rack. Store airtight in cool, dry place up to three weeks. Makes about four dozen. For a plain cheese stick, omit sesame seed.

Tara Wolfe
Age 4
Lebanon, Pa.

VANILLA ICE CREAM

1 gallon whole milk
1 can evaporated milk
1 can sweetened condensed milk
2½ cups granulated sugar
8 junket tablets
8 eggs
3 tablespoons vanilla

Dissolve junket tablets in ¼ cup of cold water. Add beaten eggs and sugar to milk. Heat to lukewarm. Add junket, let set at least ten minutes. Pour into an eight quart freezer, add evaporated and condensed milk. If fruit is desired, add one quart crushed fruit at dasher's removal time.

Susan Zimmerman
Age 11
Newmanstown, Pa.

CARAMEL PUDDING

6 cups milk
½ cup brown sugar
½ cup granulated sugar
1 cup flour
½ cup molasses
4 or 5 eggs
1 tablespoon butter
1 tablespoon vanilla

Put granulated sugar in milk and scald. Blend eggs, flour, brown sugar, and add to scalded milk. Bring to boil. Remove from heat and add molasses, butter, and vanilla. Place in refrigerator. Serve cold with whipped cream, graham cracker crumbs, or sliced bananas.

Janet Zimmerman
Age 9
Newmanstown, Pa.

There are lots of good things to try, make, and eat in the Junior Cooking Column this week with the emphasis on dairy items. And taking advantage of the fact is Laurie McCoy, Mount Joy, who cools off with a dish of ice cream topped off with a glass of milk.

CHOCOLATE CHIP CAKE

½ cup butter
1 cup granulated sugar
2 eggs
1 cup sour cream
1 teaspoon vanilla
2 cups flour
1½ teaspoon baking soda
½ cup granulated sugar
1 teaspoon cinnamon
1 cup chocolate chips

Preheat oven to 350°F. Cream butter, one cup sugar, and eggs. Add sour cream and vanilla. Add dry ingredients to creamed mixture and beat. Pour half of mixture into a greased 9 x 13 x 2 inch pan

In a separate bowl, mix ½

(Turn to Page 96)

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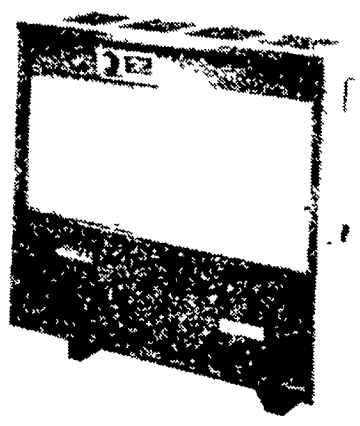

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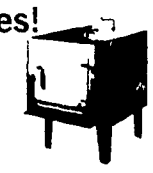

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June is dairy month
a time to say "THANK YOU"
To the dairy farmers of this area, whom we know as friends, neighbors and customers, we say "Thank You" for supplying all of us with the health-giving nutrition and delicious flavor of dairy products for building farm income, improving business and boosting our local economy
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Home on the Range

Dairy products are versatile

Main dish meals

CREAMED CHICKEN AND HAM

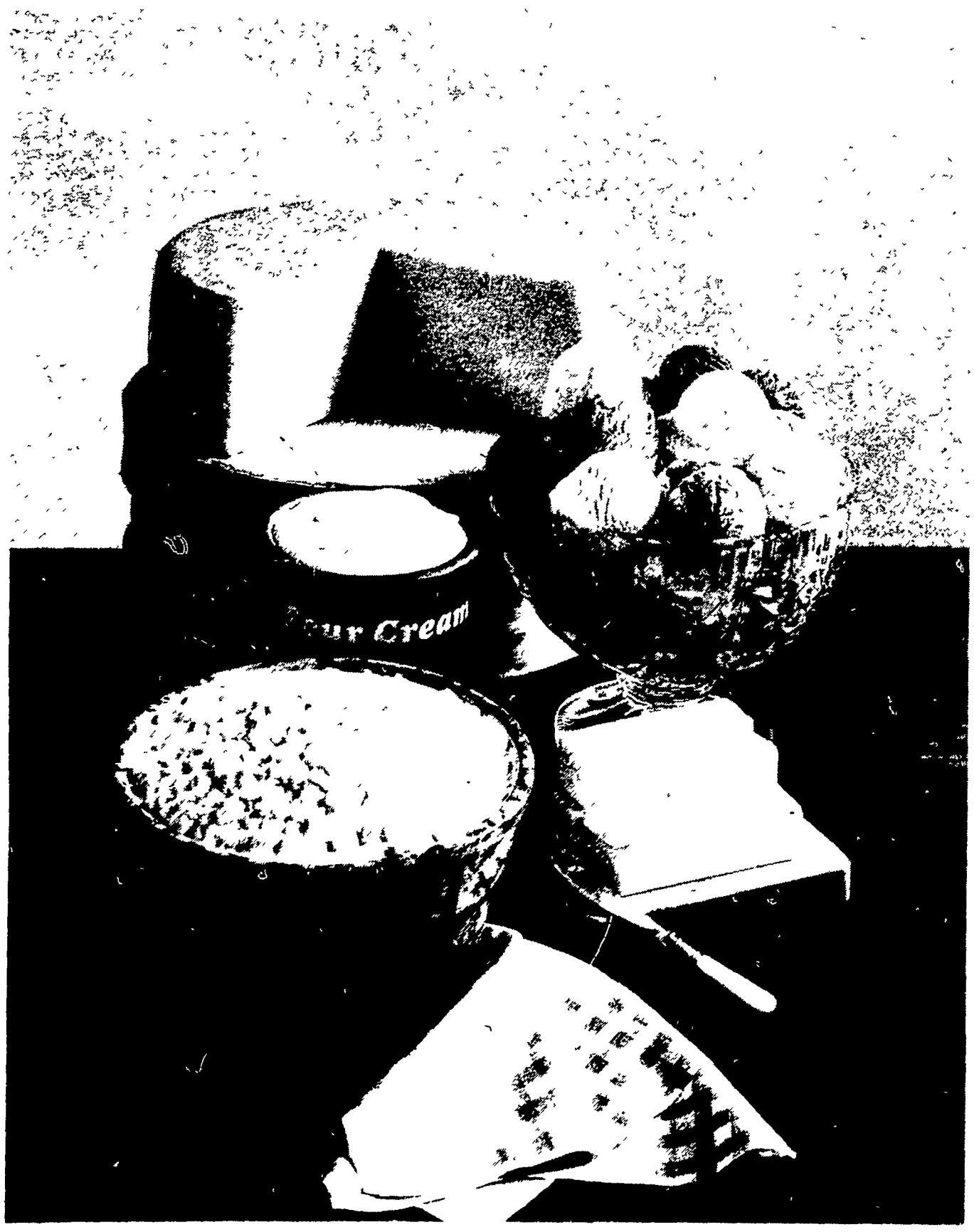
4 tablespoons butter
½ cup finely diced celery
4 tablespoons flour
½ teaspoon salt
1/8 teaspoon pepper
2-½ cups milk
2 cups diced chicken
1 cup diced ham
2 tablespoons minced parsley

Melt butter, add celery and cook over low heat until tender. Add flour and seasonings and blend. Gradually add milk and cook until mixture thickens, stirring constantly. Add chicken, ham, and parsley. This is good to use as a sandwich filling. Don't keep at room temperature for long period of time.

Anna Nolt
New Holland, Pa.

Well, we did it. We broke all records for dairy recipes in **Lancaster Farming.** And, from the looks of the over 50 contributions sent into us, it is evident that dairy products are versatile, lending themselves to a wide array of foods. From beverages to main dishes, soups, desserts, puddings, ice cream, vegetables, and other various and sundry concoctions, dairy products are delicious ingredients.

At this point, we would like to say "Thank you" to everyone who helped to make this week's "Home on the Range" a record breaker. From the first week after our plea for the milk-based recipes was printed, we had them flooding our office. We've only printed one recipe from each contributor who sent any into us, but we will be using the remainder during June Dairy Month. We hope you enjoy them.



All these dairy ingredients go into making the delicious recipes on the following pages

ITALIAN SANDWICHES

2 pounds ground beef
1 large onion
2 (10-¾ oz.) cans tomato soup
1 cup tomato catsup
2 teaspoons oregano
2 teaspoons Worcestershire sauce
2 eggs
1-⅓ cups milk
3 cups flour
2 teaspoons baking powder
2 teaspoons onion salt
½ teaspoon salt
12 slices white American cheese

Brown beef and onion. Season with salt and pepper. Add soup, catsup, oregano, Worcestershire sauce, and simmer 20 minutes. Prepare crust by combining eggs, beaten with milk. Add flour, baking powder, and seasonings. Spread or pat crust mixture into a greased 13 by 9 inch pan. Cover with ½ beef mixture. Top with slices of cheese, then layer with remaining beef. Spoon or spread remaining crust over beef. Bake until brown at 350 degrees F. for about 30 minutes.

Audrey J. Rohrer
Lancaster, Pa.

xxx

EGG OMELET

5 eggs
1 teaspoon salt
Pepper to taste
2 heaping teaspoons flour
1½ cups milk

Put in bowl in order given and beat with a rotary beater. Pour into a heated greased pan covered with a tight lid. Place over medium low heat. Cut and turn when about half done and finish baking.

Sadie King
Gordonville, Pa.

xxx

MACARONI SUPREME

⅓ cup creamed butter
½ teaspoon salt
1 cup grated cheese (processed White American)
1 cup evaporated milk (or whole milk)
1 cup soft bread crumbs mixed with 3 beaten eggs
1 cup cooked macaroni

Combine ingredients and place in casserole. Bake at 350 degrees F. for 25 to 30 minutes or until it bubbles.

Mrs. Ray Seidel
Lenhartsville, Pa.

xxx

ZUCCHINI LASAGNE

2 medium zucchini squash
1 lb. ground beef
1 small onion, chopped
32 ounce jar spaghetti sauce
12 ounce cottage cheese
½ pound provolone cheese, shredded
¼ cup grated Parmesan cheese
2 eggs
garlic salt, oregano, pepper to taste

Cook unpeeled ½-inch slices of zucchini until crisp tender; drain. Brown ground beef, onion, garlic salt, oregano and pepper in large skillet; add spaghetti sauce. In bowl, mix cottage cheese, provolone, parmesan, eggs, and oregano. In 9 inch x 13 inch baking dish make layers of meat sauce, cheese, zucchini, sauce, cheese, and sauce. Bake at 375 degrees F. about 30 to 40 minutes.

Sandra J. Wolfe
Lebanon, Pa.

xxx

BAKED CORN AND CHEESE

3 tablespoons butter
3 cups uncooked corn (thaw, if frozen)
1 tablespoon finely chopped onion
½ teaspoon salt
¼ teaspoon pepper
1 cup shredded yellow cheese
¾ cup heavy cream or evaporated milk undiluted
3 tablespoons butter

Grease two quart casserole. Combine corn, onion, salt, pepper and ½ cup of cheese. Pour into casserole. Sprinkle with remaining cheese. Dot three tablespoons butter Pour on cream. Bake uncovered 350 degrees F. oven for one half hour

Mrs. Sara A. Keeny

xxx

MANICOTTI

1 cup flour
1 cup water
2 eggs
Pinch of salt

Filling:
1 pound Ricotta
1 egg
1 tablespoon parsley
⅔ tablespoons grated cheese
1/8 black pepper
¼ pound grated Mozarella cheese

(Turn to Page 127)

June is dairy month

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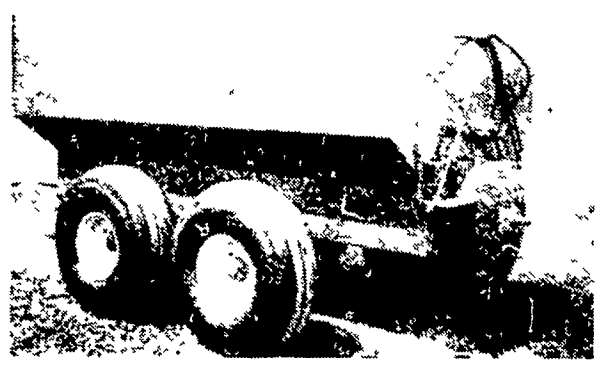

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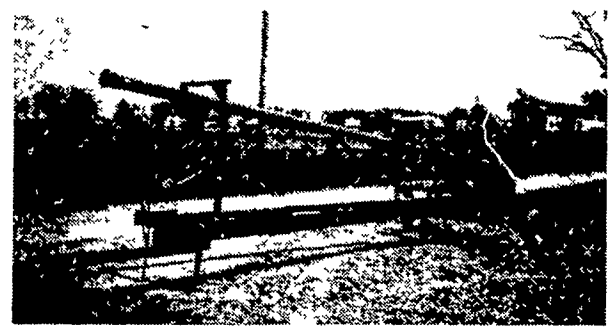

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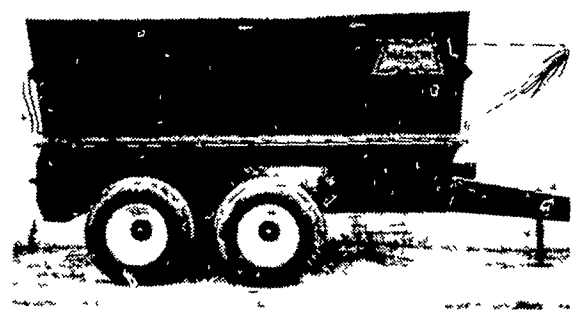
- Brass hubs on wheels

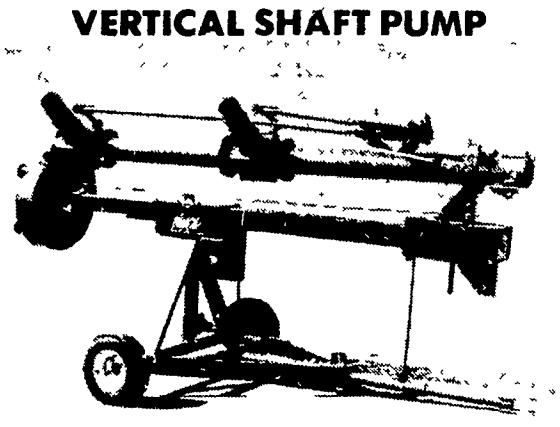
LIQUID AND SEMI-LIQUID MANURE TANK



Model V1575
The following features are standard equipment on
Martin's V1575 gal - V2100 gal V3300 gal - Tank Spreaders
- Heavy duty internal chopper type auger
- Includes Hydraulic cylinder and all hoses
- Includes PTO shaft jack and ladder
- Spreaders built and designed to handle manure from free stall barn without adding any liquid
- Rear fan built to handle spread of 45 to 60 feet liquid or thick manure

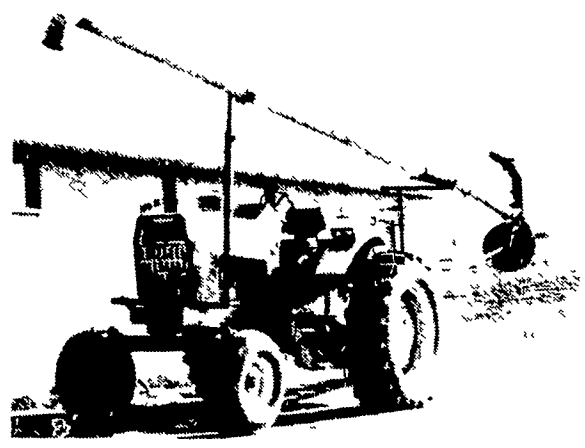
OPTIONAL EQUIPMENT AVAILABLE
- Braking system
- Hydraulic controlled lid opening

VERTICAL SHAFT PUMP



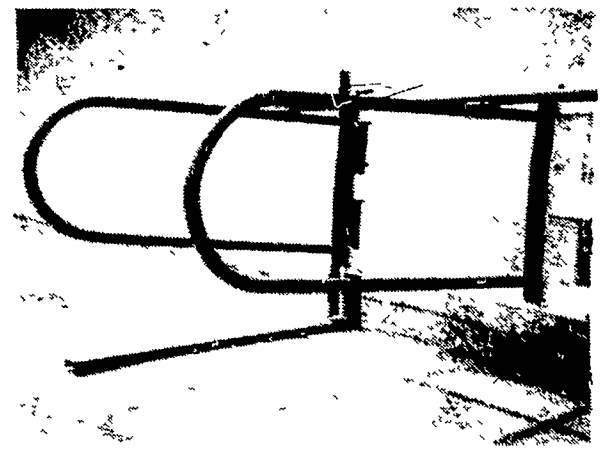
The following features are standard equipment on
Martin s Vertical Shaft Pump
- Twin agitator valves
- Agitator valves swivel 270 degrees
- Hydraulic vertical lift
- 19 curved impeller blades prevents wrapping
- Heavy duty 4 tubular construction
- 6 discharge pipe
- Split babbit bearing can be greased while operating
- 6 thru 12 ft lengths
- 540 RPM shear pin protected PTO
- Optional hydraulic cylinder for tilting

3 POINT HITCH LAGOON PUMP



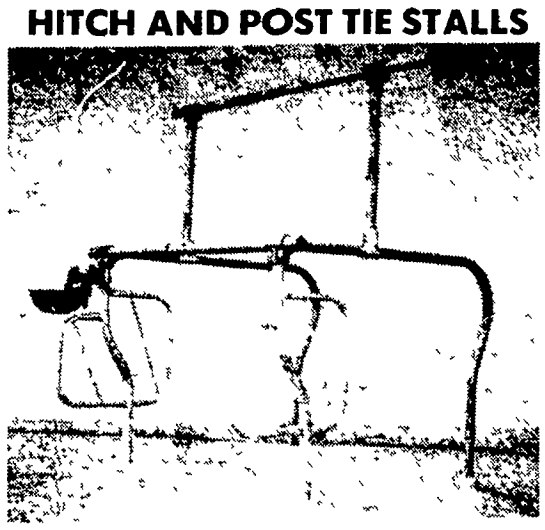
The following features are standard equipment on
Martin s Lagoon Pump
- 3 pt Hitch Hookup 20 ft length optional lengths available
- PTO shaft 540 RPM shear pin protected
- Impeller 24' Diameter
- 6 discharge and filler pipe
- Directional valve specially designed to seal under pressure
- Pump includes all mounting hardware and hydraulic cylinder
- Heavy duty 4 tubular construction
- Split Babbit Bearing installed on outside tube to assure easy maintenance

FREE HANGING FREE STALLS



The following features are standard equipment on
Martin s Free Hanging Free Stalls
- 1 9 OD pipe for stall and top rail
- Simple conversion from conventional free stalls to hanging stalls
- Maintenance free
- No rusting at the concrete line
- Bedding area cleaning simple no obstructions
- Installation and removable within minutes

HITCH AND POST TIE STALLS



Model 15 tie stall with vacuum line

FEATURES
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- Model 15 includes feed divider
- 6 curved curb pipe for greater cow comfort
- Optional rust sleeve available on curb pipe and stall partition

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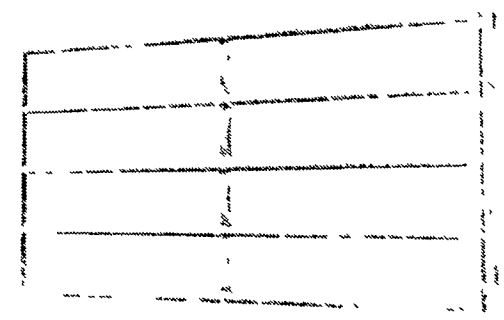

Junior Cooking Edition

(Continued from Page 93)

cup sugar, cinnamon, and chocolate chips. Spoon half of this over batter in pan. Pour in remainder of batter and then remainder of chip mixture. Bake at 350°F. for 25 minutes or until toothpick comes out clean. Cool, cut, and serve from pan. Needs no icing.

Kenny Wolfe
Age 6
Lebanon, Pa.

GRAHAM CRACKER PUDDING

2 quarts milk
1 cup granulated sugar
1 cup graham cracker crumbs
1 cup saltine cracker crumbs
4 egg yolks
1 cup coconut

Heat milk. Beat egg yolks, and mix with sugar. Add egg mixture and crumbs to milk. Add coconut and mix well. Beat egg whites for top of pudding, and brown.

Jane Zimmerman
Age 10
Leola, Pa.

HAM SOUP

4 cups cubed ham
¾ cup onion
noodles (enough to suit taste)
4 medium sized potatoes
3 quarts milk

Combine ham and onions. Cook until ham is soft and brown. Cut potatoes in small cubes. Add a little salt and cook until soft. Cook noodles in salt water until soft, drain. Add to ham. Next add the milk. Bring to boil. Add salt and pepper. Serve with crackers.

Louella Weaver
Age 13
Mifflinburg, Pa.

BUTTERSCOTCH PUDDING

1 cup brown sugar
2 eggs, beaten
3 tablespoons flour
¼ teaspoon salt
3 cups milk
2 tablespoons butter
1 teaspoon vanilla

Melt butter in skillet. Add sugar and salt and mix well. Slowly add two cups of milk and heat to boiling point. Make a paste by adding the remaining milk to the flour. Add to the mixture, stirring constantly until it is thickened. Beat eggs. Add ½ cup hot mixture to eggs and then add eggs to pudding. Cook for two minutes and remove from heat. Add vanilla. Chill and garnish with ground peanuts, whipped cream or crushed bananas if desired. Makes 6 to 8 servings.

Grace Weaver
Age 14
Mifflinburg, Pa.

ZIPPY BEEF

1 pound hamburger
2 cups cooked macaroni
10 oz. cream of mushroom soup
¾ cup of milk
¾ cup ketchup
½ pound cheese
¼ cup chopped peppers
1 teaspoon salt

Brown hamburger. Add other ingredients and stir until well mixed. Pour into baking dish and bake at 350°F. for forty minutes.

Janet Martin
Age 8
Myerstown, Pa.

BUTTERMILK COOKIES

6 eggs, beaten
4 cups brown sugar
2 cups shortening
1 quart buttermilk
2 tablespoons baking soda
2 tablespoons vanilla
8 to 10 cups whole wheat flour
2 cups raisins

Cream shortening and sugar, add eggs and vanilla. Sift flour, salt, and baking soda together. Add flour and buttermilk alternately to creamed mixture. add raisins. Bake at 375°F. for approximately 12 minutes.

Nelson Weaver
Age 7
Mifflinburg, Pa.

xxx

YELLOW CAKE

4 eggs
2 cups granulated sugar
2 teaspoons baking powder
2¼ cups flour
1 cup hot milk

Beat eggs well, then put sugar in, then add baking powder and flour. Mix again. Lastly, add hot milk. Pour batter in a 9 x 13 inch pan and bake at 350°F. for 30 to 40 minutes.

Shirley Wenger
Manheim, Pa.

xxx

FRUIT CAKE

3 cups light brown sugar
1 cup butter
1 cup sweet milk
3 cups flour
3 teaspoons baking powder
3 eggs, unbeaten
1 teaspoon nutmeg
1 teaspoon cinnamon
1 teaspoon cloves
¼ lb. orange peel
¼ lb. English walnuts
¼ lb. green candied cherries
1 candied pineapple slice of red, green, and clear
¼ lb. lemon peel
¼ lb. figs, cut
½ lb. dates, cut
1 lb. dried apricots, cut
1 jar cherry preserves (optional)
1 teaspoon allspice
1½ lb. raisins
1½ lb. currents
1½ lb. citron
¼ lb. pecans
¼ lb. red candied cherries

Cream together butter and sugar, beat in eggs. Add baking powder, preserves, and spice. In a separate bowl, flour dry fruit using one cup of flour, reserving other two cups. Mix together, add rest of flour, and lastly nuts, mix well. Bake in loaf lined with wax paper.

Edith Wenger
Age 12
New Holland, Pa.

1973 beef boycott backfired

CAMP HILL – With retail beef prices expected to rise 12 per cent this year here's something to keep in mind: The beef boycott in 1973 drove many cattlemen out and limited total supplies. As result, price to consumers are now being driven higher than they would have been if production cycle in beef had run normal courses without boycotts, says the Pennsylvania Farmers Association.

Remember beef prices have only increased 16 per cent during the last five years while the Consumer Price Index climbed 41 per cent and disposable income of average American jumped 54 per cent.

USDA's Crop Reporting Board reports cattle and calves on feed May 1 for slaughter in seven states preparing monthly estimates totaled nearly 7.9 million head - up 9 per cent from year ago. Fed cattle marketing during April totaled about 1.7 million - record high for the month and 9 per cent over last year. Net placement of cattle and calves on feed during April totaled 1.3 million - down eight per cent from last year.

Whole Milk - contains not less than 3.25 per cent milkfat, and must consist of not less than 8.25 per cent solids-not-fat. The nonfat solids are the source of the proteins, minerals, carbohydrate and all the watersoluble vitamins. Almost all whole milk marketed is fortified with vitamin D.

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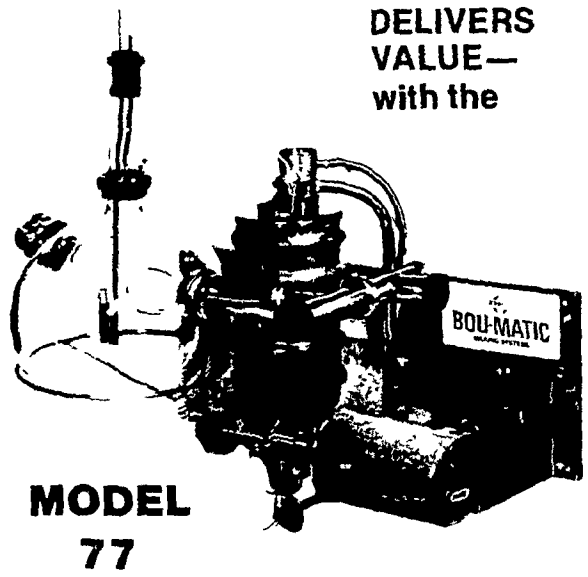

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Farm Women Societies

Lancaster Co. Society 18

On May 22, Lancaster County Farm Women Society 18 met at the home of Elizabeth Grieder, Landisville. Evelyn Brubaker, president of the group, presided over the meeting.

Mrs. Abram Fry spoke to the group on personality gardens. A report of the Spring Rally was given by Ruth Rohrer.

A donation of $10 was given to the Cancer Society.

Mr. and Mrs. Robert Good will be the June hosts for the group. The meeting will be for husbands and wives and held at the United Church of Christ, Rohrerstown.

Lancaster Co. Society 27

Lancaster County Farm Women Society 27 met on May 23 with 19 members and 19 guests attending the meeting at Chiques United Methodist Church.

Rufus Brubaker showed a slide presentation set to music to the group.

Miniature strawberry pies were served by hostesses Martha Garber, Shirley Dunkleberger, Mary Good, Sue Heineman, Gladys Shearer, and Mary Kathryn Wenger.

The next meeting of the group will be a pig roast at Wayne and Yvonne Miller's home on June 24.

York Co. Society 2

Twenty one members and two guests of York County Farm Women Society 2 were hosted by Mary Herbst, who honored Mother's Day by a scriptural selection and reading of a poem on May 10.

The group was addressed by John Kell, Outreach Ambassador for York County Area Agency on Aging, about the many facets of the Agency's services. He distributed booklets and accepted applications for Green ID cards which entitle discounts to senior citizens from participating merchants. He urged members to help publicize the agency's advantages, and to let the agency know of anyone who might need their services.

Members exchanged houseplants and Lillian Godfrey brought stick-pins for sale, to benefit the group's treasury.

Society 2 will be entertained by Society 9 of Glen Rock, on June 8 at 6 p.m. at the Manheim School, near Codorus Park.

Plans were finalized by Chairman Lois Wetzler and Mary Innerst for entertaining Society 5 at a picnic, June 14 at Lake View Park, Jacobus.

York Co. Society 12

Mrs. Thomas Weaver served as hostess of the York County Farm Women Society 12, which met at the St. James Lutheran Church Educational Building.

Mrs. Janet, Kohler, president, announced that the group will be entertained by Society 34 at the barn of Mrs. Sara Schlag, Freysville, on June 28, at noon.

The birthday of Mrs. Robert Manchey was recognized. Mrs. Edward Lanius won a prize.

It was announced by past president, Mrs. Carl S. Bacon, that a hospital bed was purchased as the 1977 project.

A plant auction was conducted by Mrs. Janet Kohler.

Plans were made for a family picnic June 20, at 6:30 p.m. to be held at the Stonepile Bethlehem Church Hall, near Red Lion. A covered dish meal will be featured.

Refreshments were served after the meeting.

York Co. Society 16

The May meeting of York County Farm Women Society 16 was held at the home of Mrs. Phyllis Harlacher, Dover. A baby shower was held for Mrs. Diane Moyer.

The business meeting was in charge of vice president Karen Ohrum. It was reported that 11 members attended the Spring Rally. The group decided to donate $100 to the Heart Fund.

The group will have a food stand at the sale of Blanch Patterson on June 7.

Two bus trips are being planned. On September 23, the group will travel to Great Adventure and sometime in November they will go to Hyde Park.

After the meeting, refreshments were served.

York Co. Society 29

York County Farm Women Society 29 met recently at Rutter's in Red Lion to celebrate the 10th birthday of the group.

Post presidents was recognized and Janet Grove presented a summary of projects completed over the years. A short program was presented by Susan Adams, The 1977 York Co. Dairy Princess. Secret pals were disclosed and new ones chosen.

York Co. Society 33

The home of Mrs. Earle Wilson, New Freedom RD2, was the setting of York County Farm Women Society 33.

Mrs. Dan Wood announced that plans were completed for the Ladies' Night Dinner to be held in York in June, taking the place of the regular June meeting.

The crocheted afghan, a project of several club members, is nearly completed, and proceeds from sale of the afgan will be donated to the Mason-Dixon Library and Eureka Fire Co. and Ambulance Club.

A plant auction is to be held in August and members were urged to begin potting plnats for sale at that time.

Regular meetings during the summer months will be held at 7:30 p.m., the third Thursday of each month, instead of 7 p.m. with the exception of July meeting because of a previously scheduled program.

Activities for the year were reviewed and year books distributed.

A silent auction was held and refreshments were served to 14 members.

Milk could reach the moon

ROSEMONT, Ill. – If the 123 billion pounds of milk produced on U.S.dairy farms in 1977 were placed in gallon cartons, and lined up end to end, they could reach the moon nine times or reach from the earth to the moon and back four and one-half times.

From an earthly point-of-view, the same end-to-end gallon cartons would be enough to form a band around the world 87 times at the equator.

Taken out of cartons, the milk produced could create a 2977 mile long, four foot deep, river extending from Portland, Maine, to San Diego, Calif.

MILK
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OPENS MAY 20th
EVERY SATURDAY NIGHT - 7:30 P.M.
Through September 2nd.
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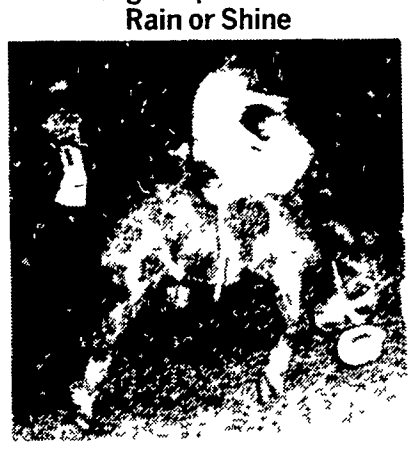

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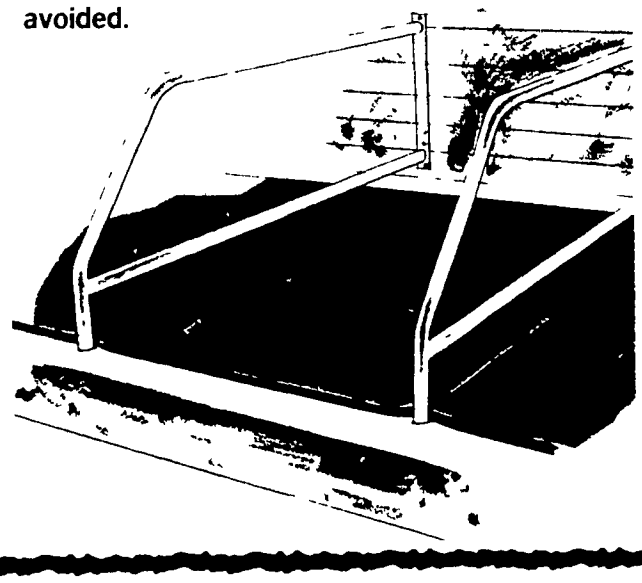
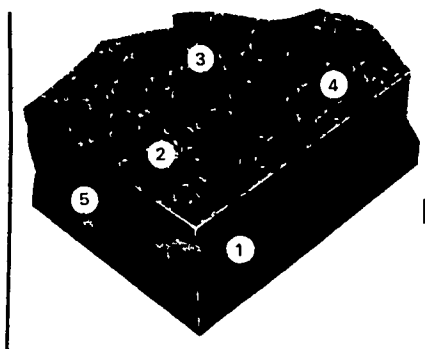
RED BARN rubber flooring cuts free stall cleaning time to a minimum. One dairyman with 165 stalls averages only 15 minutes per day to keep ALL stalls clean (testimonial on request). Because RED BARN mats are tough, depressions cannot develop that require filling, as is often the case with other types of flooring. Broken dividers causing animal injury are also avoided.





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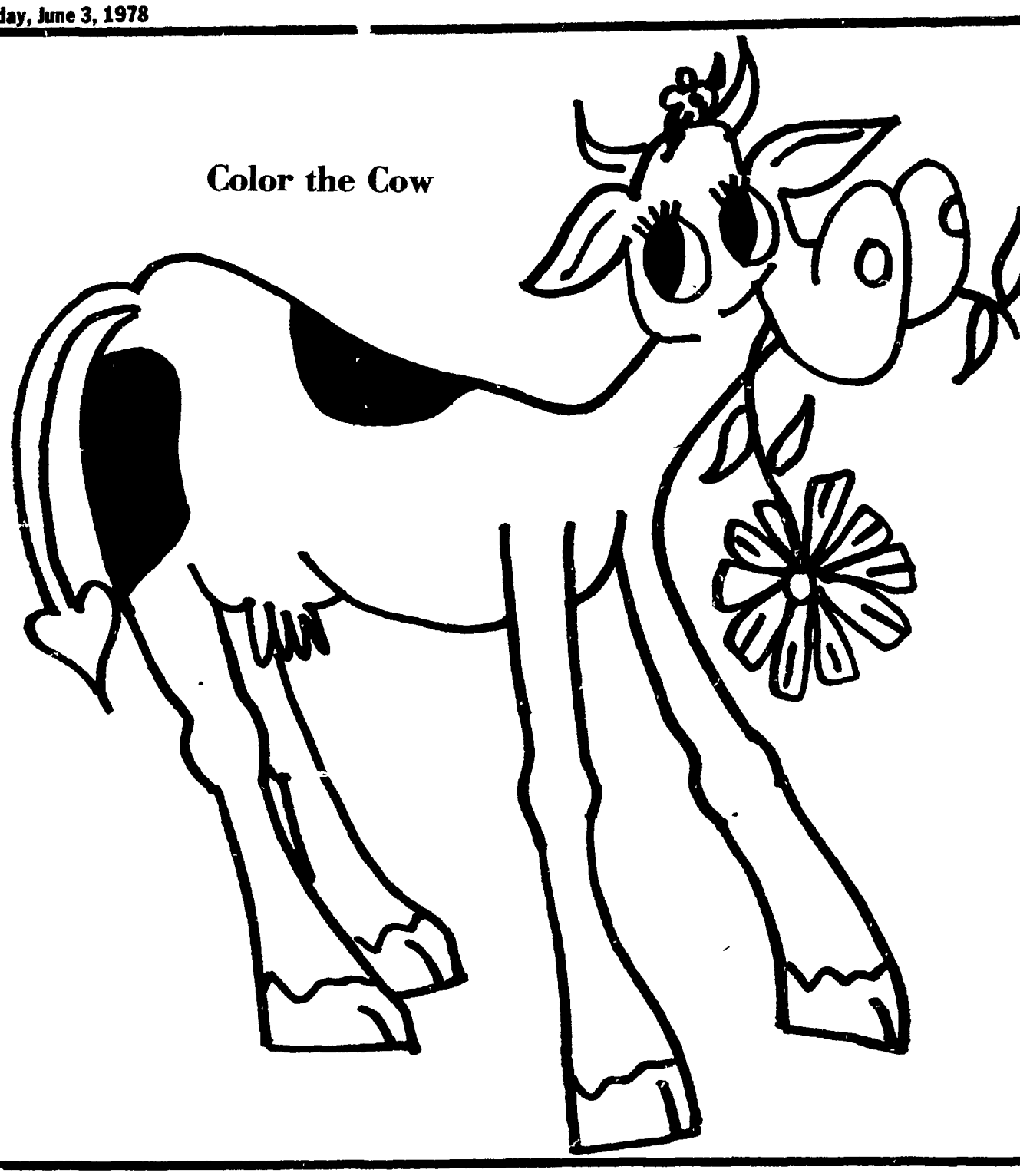
CHILDREN'S DAIRY PAGE

Color the Cow



The unforgettable driving lesson

By JOANNE SPAHR

My second cousin, Jenny, was always a cute kid, but she never could drive worth a darn. It was shameful–nine years old and the best she could do if you put her behind the wheel of a car was turn on the radio and roll down the windows–and she thought that was an accomplishment. I thought it was pitiful.

Being a farm child, I'd been burning a track of rubber out through the back lane and fields from the time I was strong enough (and my legs were long enough) to hold down the clutch on the "Fergie," as we called the Massey Ferguson.

I was particularly good at going from third to fourth gear–that's the one that took skill. You'd have to get the old blue-grey tractor revved up as fast as it could go in third gear then–crack–stand up and put all your weight on the clutch while you jerked the gear shift back toward your body at the same time. And, off you'd go, hair streaming, face grinning, and body jiggling as you bounced up and down in the seat, hitting every single rock or gully imaginable in the gutted out back lane - as long as Dad didn't catch you, that is.

Then, of course when the time came, I graduated to driving the pick-up truck and learned the ins and outs of an automatic. But, my cousin, Jenny had never been fortunate enough to have these great experiences because she wasn't a farm kid. So, one day when she came to visit, I decided I would take it on myself to enlighten the young lady with my vast store of knowledge.

I had the perfect vehicle for it–a 1956 Cadillac my dad was fixing up It had been in an accident (along with several other members of my family), and the transmission was damaged. Instead of going from first to second to third to fourth, as you might expect a car to do, it went from second to fourth in a mighty leap. It was 20 times better than going from third to fourth, and it was the closest I'd ever come to flying in my whole life

So, the ever-so-intelligent 13-year-old that I was, I decided to start my cousin out in this flying machine, with near disasterous results

The story went something like this

"Okay, Jen," I said "Let er rip"

Totally oblivious to my impending fate, I sat blithely staring at the swinging udders of the Holsteins in front of me as the cows clumsily trudged up and down over the potholes of the dandelion-edged back lane My cousin Jenny and I were on a mission–we were bringing the cows in for milking and teaching her how to drive all in one fell swoop

So, on that particular Summer's day, the two of us sat in the front-seat of Dad's 1956 Cadillac in the roles of teacher and pupil

"All you do," I coached the angelic nine-year-old, is put it into drive, step on the gas, and go"

"Okay, Joie," she whispered, overwhelmed by the steering wheel which she had to stretch her neck to look through in order to peer over the dash

But, nothing happened. After timidly moving the gear shift into "drive" from "park", she stopped to take a rest from the tension.

"Oh, boy," I thought to myself, "this is going to take forever." I'd already abandoned all hope of teaching her the piano when she couldn't play "How Great Thou Art" within a half hour of first setting eyes on a piano, and this fiasco was going to be no different.

"Now, Jen," I began again in my condescending teacher's voice, "all you do is..." Out of the blue, my jaws snapped shut, my head flew back, and the tobacco and grass fields started jerking past me in rapid-fire motion.

Forgetting that the car went from second to fourth gear without hitting third (due to a malfunction in the transmission), I shouted the first thing that came to my mind.

"Jen," I gasped in between my teeth snapping open and shut," hold your foot down on the accelerator!" Before the last word was out of my mouth, the car took off like a rocket and headed toward the cows meandering toward the barn.

"Jen," I screamed, "Look out for the cows, you'll hit them!" My eyes were glued to the boney back legs of the last cow in the string as she loomed closer and closer to the front of the car by the minute.

I sank down in the seat and practically rammed my foot through the floorboards, pushing on the imaginary brake, which did absolutely no good. The cows kept getting bigger and bigger.

By this time, the legs were coming so close to the front of the car that I could vividly picture them under the front bumper.

"Jen, those cows are worth at least $20 a piece," I screamed with nearly every ounce of breath in my lungs, "please don't hit them." With every scream, I sank lower and lower down in the seat

Now I was prostrate. I knew it was all over for me, and I didn't care, so with my dying gasp, I looked over at my younger cousin and gasped "Please, Jen?"

What I saw was unbelievable. She was sitting straight as a staute, with both hands on the wheel, and her eyes were wide, a smile was transfixed on her face, and she was transformed with glee

"Isn't this fun?" she yelled, laughing out loud.

At that monment, I knew if I ever got out of this situation alive, I'd kill her.

But, something in my face (maybe it was the blue tint that goes with suffocation) made her put her foot on the brake and stop the car just before the cow met her end, or should I say, the cow's end met the bumper of the car.

Realizing my only chance to save myself, I grabbed the wheel and took over the drive the rest of the way in

When we got to the barnyard, I parked the car and wobbled into the house on my jello legs Opening the door, I heard my mother ask, "Well, what did you do this afternoon?"

I nearly fainted

Scrambled Ice Cream Flavors

It happened only yesterday at the 1904 World's Fair in St. Louis midway between the ice cream concession and the waffle stand. It was love at first sight when ice cream met a cute cornucopia-shaped waffle... and the ice cream cone was born. It seems that Mr. Ernest Hamwi was busy making Zalabia, a sugary wafer-like waffle when he heard a disappointed man from the crowd at the ice cream booth next door. He looked up to see the dejected face of the ice cream vendor who had just run out of bowls for his ice cream. Quickly, Mr. Hamwi folded a waffle into a cornucopia and handed it to his neighbor. The ice cream man promptly plopped a double-dip into the hollow cone. He offered the treat to the first nickel he saw, he then watched as the customer happily consumed the ice cream, cone and all. Since that day, the whole world has shown its love for ice cream in the edible container by eating them at the rate of 10,000,000,000 cones per year.

Below are some scrambled ice cream flavors, some of your favorites on ice cream cones. See how many you can figure out

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epcah _ _ _ _ _ _

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See answers page 117.

"COME WITH ME ON A FARM TOUR TO EUROPE"

AUGUST 15, 1978

Mrs. Ziegler and I are taking a group of farm folk, just like you, to Holland, Germany, and Switzerland We'll visit farms, see an auction sale, and some of the beautiful sights in Europe

Everything will be prearranged, so there will be no problems along the way I'll send you a brochure describing the trip in detail, if you'll send the coupon to me Space is limited, so send for the brochure right away

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Increased popularity of yogurt shown in study

ROSEMONT, Ill. -- "Yogurt is a product for me," say an increasing number of Americans. And growng sales of the tangy dairy food indicate people are putting their money where their appetites are.

In spring of 1977, the marketing and economic research division of United Dairy Industry Association took a nationwide sample of more than 4,000 people to gauge consumer use and attitudes toward dairy products, including yogurt. The UDIA study showed escalating popularity of the product.

Respondents, who included people of both sexes, age 13 and over, indicated their rate of yogurt consumption and responded to 28 attitude statements about the product. Only the generic name "yogurt" was used, with no reference to fresh, soft serve, or frozen types. The Market Facts, Inc. mail panel was used for the survey.

Those who eat yogurt once a month or more often were classified as "heavy" eaters, those who eat yogurt several times a year or less were considered "light" eaters.

Of the consumers responding to the UDIA questionnaire, 18.2 per cent were "light" eaters, 30.8 per cent were classified as "heavy" eaters, while just less than one-half of those polled claimed they never eat yogurt. Nearly 15 per cent of the "heavy" eaters have yogurt once a week or more often.

Who eats yogurt more often, men or women? Survey results indicate that women eat yogurt more frequently than men. Women were classified as 35 per cent "heavy" eaters versus 26 per cent for men, and 51 per cent of the men never use it, compared to 43 per cent of the women.

What about the different age/sex groups? Women ages 17 to 19 are the best users and men ages 20 to 24 are the poorest. It should be noted that in every age/sex group, women eat yogurt more frequently then men. Among both men and women ages 20 to 24 and 25-34, yogurt consumption is the lowest. In the best group, women 17 to 19, 44 per cent are "heavy" eaters, but in the lowest consumption level group, men ages 20 to 24, only 18 per cent are "heavy" eaters.

What part of the country eats the most yogurt? It's the Pacific area, followed cosely by New England. Residents of the West North Central consume the smallest amount of yogurt.

In the Pacific area 45 per cent would be classified as "heavy" eaters versus only 19 per cent in the West North Central. In the Pacific region only 36 per cent are "never" eaters, but 57 per cent fall into this category in the West North Central.

Groups at both extremes of the scale, high and low income levels, increased their consumption of yogurt. The lower income families increased consumption by the greatest percentage.

People answering the questionnaire were asked how well they knew certain dairy products. A 6-point scale was used; the higher the number they circled the more they knew about the product, the lower the number the less they knew.

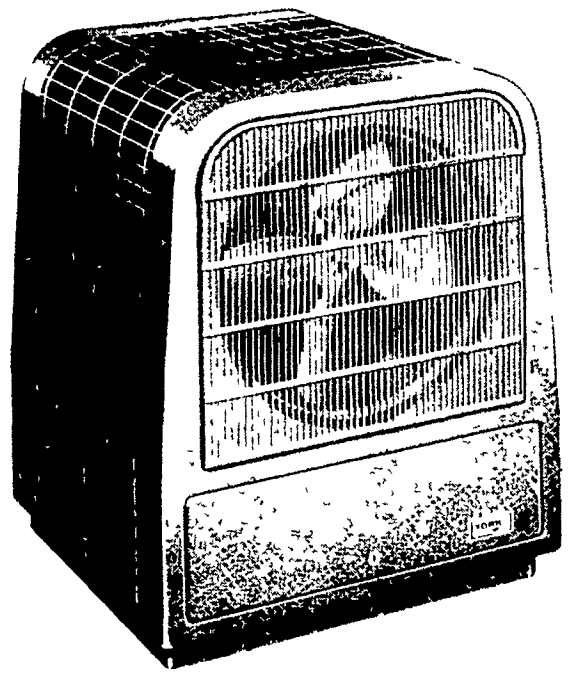
Yogurt is often associated with weight watching and dieting. In the study, people were asked to indicate what they were doing about their weight. Data were then tabulated against their use of yogurt.

While there were substantial differences among the five groups, it is obvious that many people are eating yogurt because they like it, and not for weight control. In fact, 38 per cent of each of the two dieting groups never eat yogurt, versus 52 per cent who are trying to gain weight.

Yogurt has a rapidly growing market. Per capita sales in the U.S. for selected years, as published in the July 1977 issue of the U.S. Department of Agriculture publication **Dairy Situation**,

(Turn to Page 122)

AIR CONDITIONING
YORK CHAMPION IV



THE YORK CHAMPION IV Total Engineering Concept

You expect the air conditioner you buy to cool and dehumidify your entire home In addition you may be looking for a quiet unit and one that will operate efficiently Certainly you want a system that is easy to maintain or service and one that is built to last Here s how the York Champion IV unit was designed to meet these four basic requirements

I. QUIET OPERATION

The Champion IV unit uses twin fans for low velocity extremely quiet air flow through the unit In fact air flow is so gentle it will not harm vegetation located as close as 12 inches from the coil The compressor is positioned below the twin fans to help disperse its operating sound

The Champion IV unit is engineered to give you as quiet a unit as possible without affecting the other benefits Visit your York dealer and listen for yourself

II. CONSERVE ENERGY

In terms of energy savings the Champion IV unit has been engineered to give you optimum efficiency without sacrificing quiet operation serviceability or durability

Because the York condenser coil uses more fin surface with fewer tubes a large refrigerant charge is not needed eliminating the need to provide heat to the compressor The Champion IV unit does not consume power when it s off as do conventional units with constantly operating crankcase heaters

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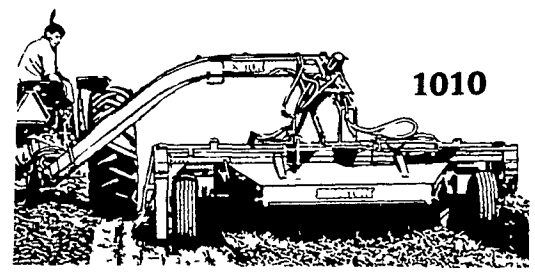

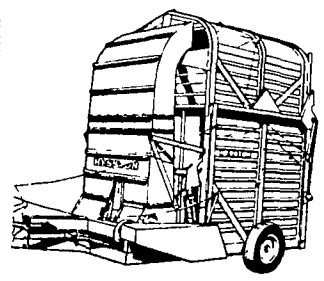
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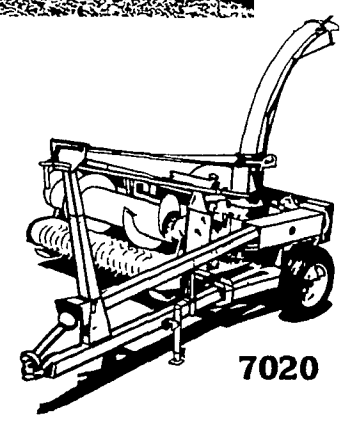
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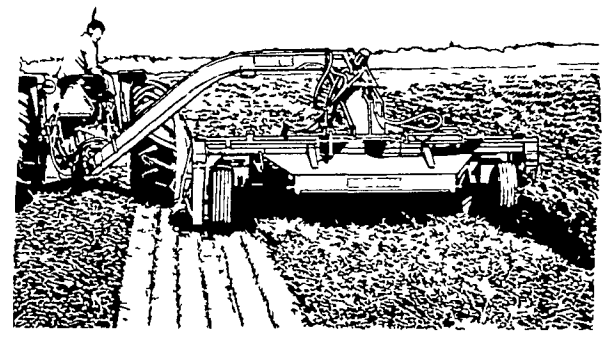

Hesston 1010 Mower-Conditioner gives you a 10' header with center-pivot maneuverability.

Conditioner Width 110 in

It's almost like operating a self-propelled! But the 1010 Hydro Swing® has all the economies of a pull-type And its 10' header insures an easy fit into any size field

Key to its maneuverability is center-pivot design that allows the header to work on either side of the tractor and anywhere in between Famous Hesston conditioning system delivers quality hay Swathing shield or windrow forming and fluffing shield lets you follow your own hay curing management plan exactly

Hydrostatic header drive and hydraulic header control allow on-the-go positioning for added convenience

Ask your Hesston dealer about the 1010 today!

Hydro Swing is a registered trademark of the Hesston Corporation

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Windrower PT 7	$3540	$2700 + freight
Windrower PT 10	$4185	$3300 + freight
S P. 12' 6200	$10,325	$8350 + freight
Stak Hand SH 10	$7165	$5600 + freight
Stak Mover SM 30	$3075	2100 + freight
Forage Harvester 7020 BU	$3530	$3000 + freight
1 Row Head FIR	$1235	$1000 + freight
2 Row Head F2R	$1990	$1500 + freight
Pick Up 702 P	$955	$750 + freight

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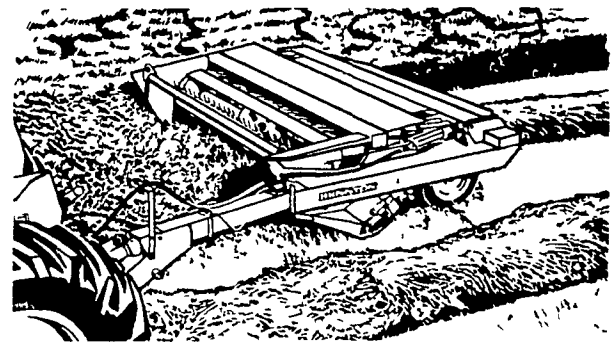
NEW HOLLAND, PA
PHONE: 717-354-4181

HESSTON PT-10 WINDROWER



From sickle to full width conditioner without touching the ground in between That's the direct feed Hesston PT 10 windrower What this means to you is cleaner hay, more *uniform conditioning fewer moving parts and greater* capacity per foot of cutterbar You also get the conditioning action that saves the leaves and makes Hesstonized hay possible And the conditioner rolls adjust to give you more aggressive action in native hay or grasses where leaves are not easily separated For windrowing at its pure and simple best see us about the Hesston PT 10

★ Note PT 10 & PT-7 are similar except for width of cut

Sinking Springs Holstein herd outstanding in milk production and type classification

By JOYCE BUPP
Staff Correspondent

YORK – "We've never been noted for having a bunch of old cows," says Herman Stebbins, manager of Sinking Springs Farms, Inc., York R22

What Sinking Springs is noted for is high production, high classifying registered Holsteins that have consistently topped not just county herd averages, but state and national as well

Last year's completed herd lactation averages at 810 pounds fat, 20,468 pounds milk on 63 head, captured the top spot on York County's Dairy Herd Improvement Association listing.

"But we're not in a race with anyone," he asserts "Our goal is just to have the cows do the best job they can."

Then, during a recent type classification, the animals racked up an unofficial Breed Age Average (BAA) of 105-plus points, with five head scoring Excellent and 21 Very Good's.

"An old cow that looks good and produces well is a great thing," the manager feels. "But I've never seen any reason to keep her just because she's been around for awhile."

That's the philosophy under which Stebbins has managed the herd for many years. He came to work at Sinking Springs, owned by the Louis J. Appell family, in 1941. At that time the herd numbered 20 registered Holsteins and one Guernsey.

Stebbins believes that much of that 1941 herd probably originated at the famous Lauxmont Farms, near Wrightsville, owned by the late Samuel Laucks, who had been a close personal friend of Appell

"In fact, I'd guess that several of the cows were half sisters to the great Lauxmont Admiral Lucifer," Stebbins added The fame of the "Lucifer" bull is well-known throughout the nation's registered Holstein industry

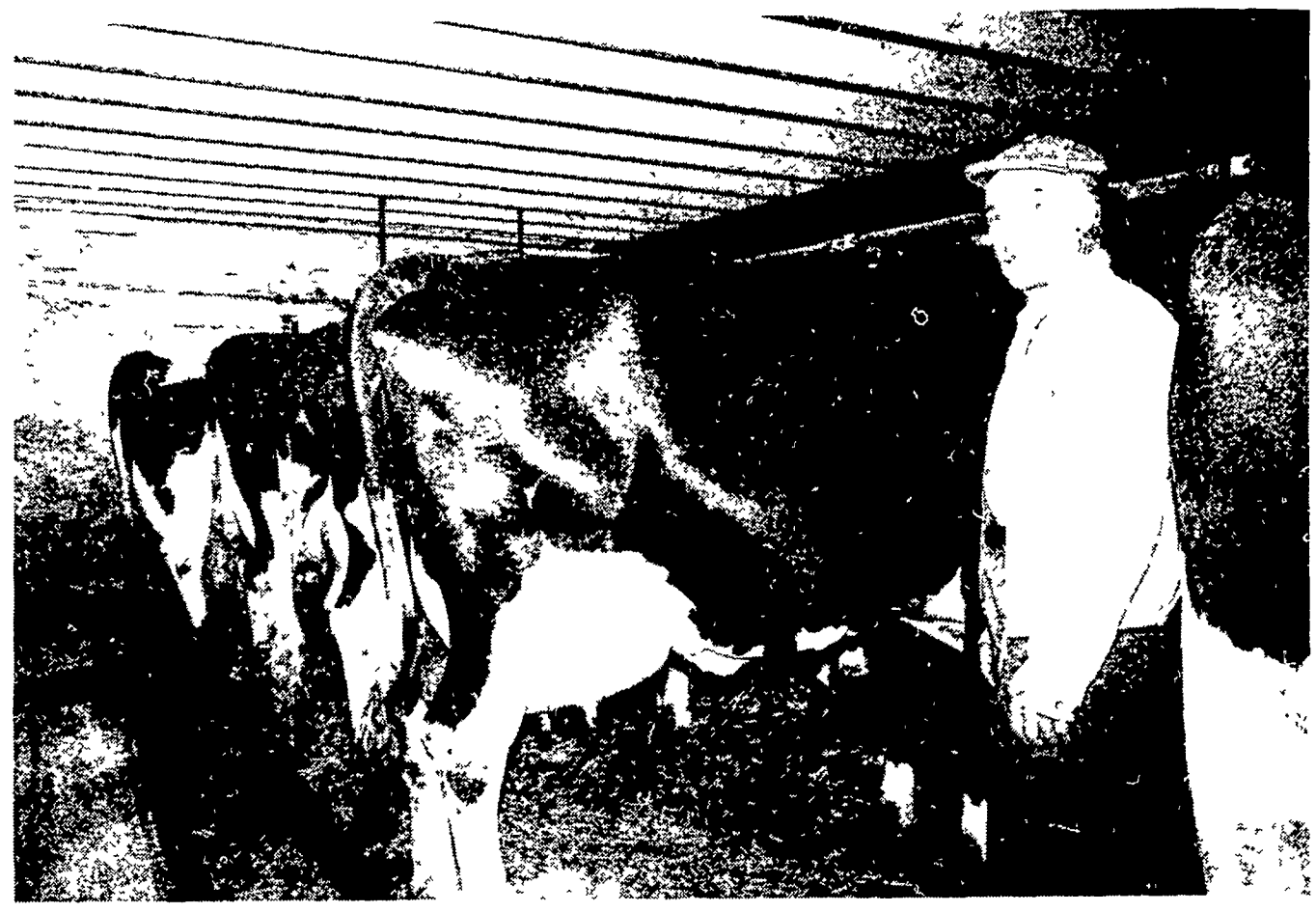
Every animal but one in the present herd traces back to Osborndale Ivanhoe, a sire heavily used in south-central Pennsylvania and remembered by many Holstein breeders as one of the greatest bulls in breed history.

The herd is almost entirely home bred, with the last purchased heifers coming into the herd from the dispersal of Winterthur Farms, Delaware, in 1969.

Only one cow in the Sinking Springs barn does not carry their breeding prefix. She's Hilgert Osborndale Forward, affectionately known as "Hilly," who at 15 years of age has produced over 250,000 pounds of milk.

Stebbins is a firm believer in cow families and uses them like building blocks in this tremendous string of

(Turn to Page 118)



Stebbins points out a big tall Harborcrest Marquis that is still just a youngster of three years old.

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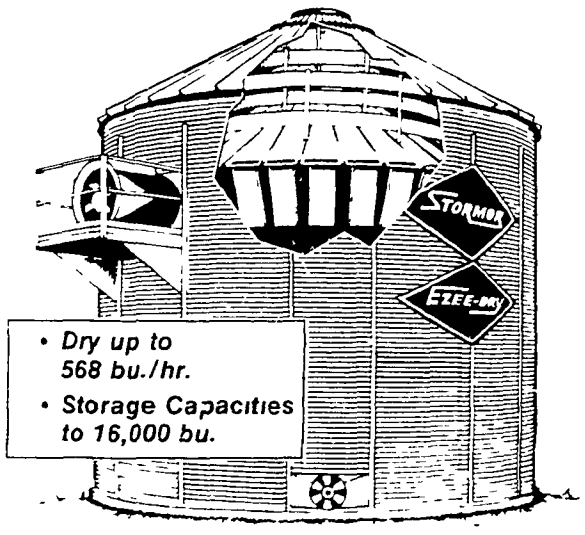
EZEE-DRY
Dries up to keep drying costs down



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• Storage Capacities to 16,000 bu.

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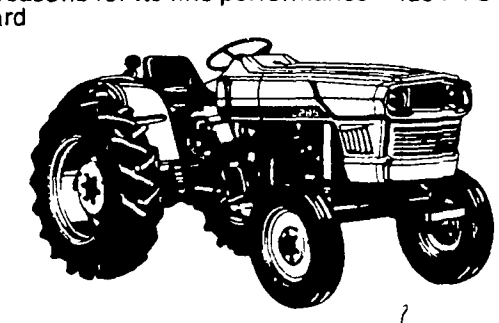
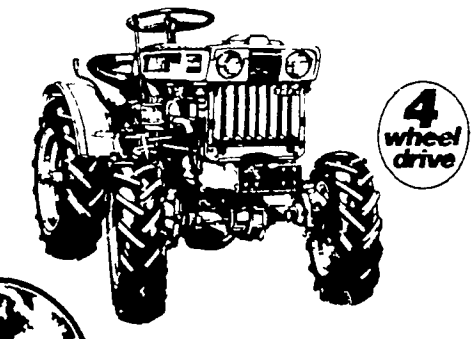


Model B6000C ... A complete, 12 5HP liquid-cooled, 2-cylinder diesel tractor It's perfect for less than full scale farming Features power take off and 3-point hitch, 8 speeds, 4-wheel drive, and a hefty hydraulic lifting system Plus front and rear PTO's, standard



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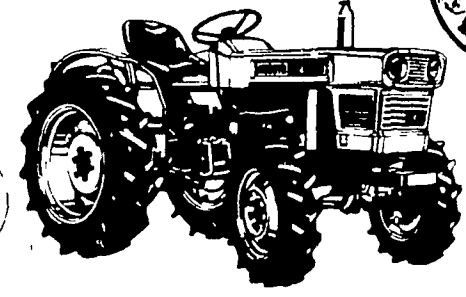
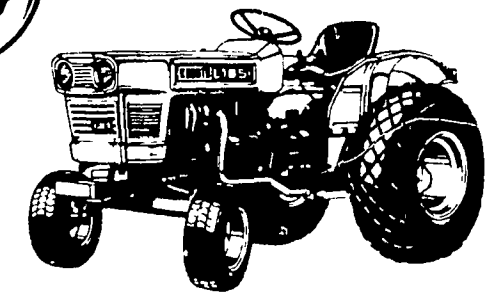


Model L245DT Here's more traction and versatility from the new Kubota line Rugged, yet agile four-wheel drive model with outstanding traction and great lugging power Powered by a water-cooled 25HP, 3-cylinder diesel engine Implements are handled with ease by the powerful hydraulic lift system Plus PTO s, standard



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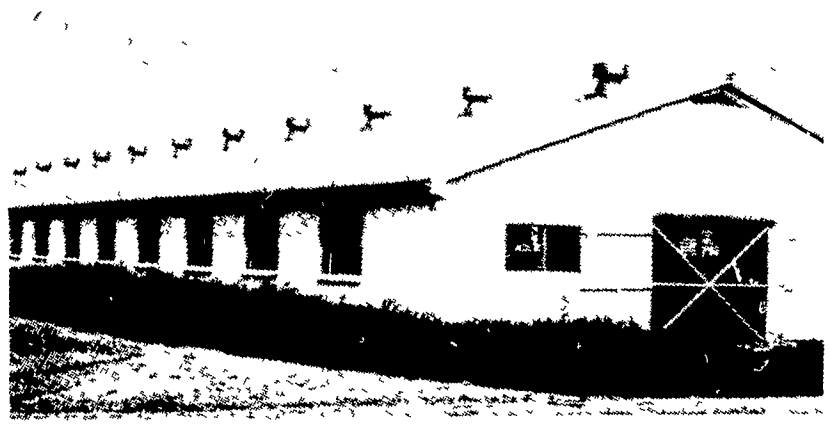

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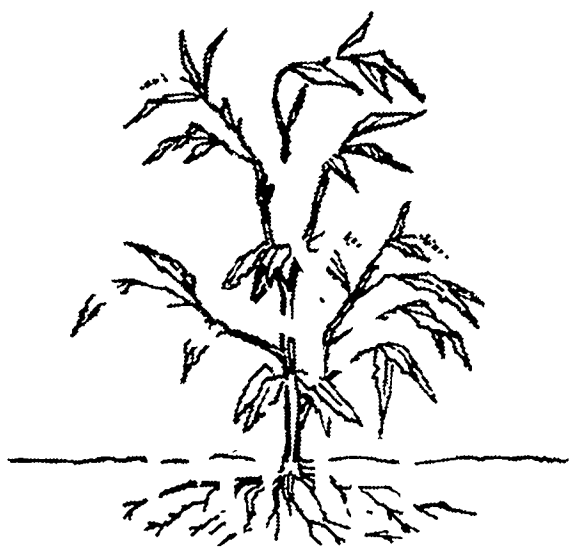

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Banvel from Velsicol controls hard-to-kill broadleafs . . . smartweed, pigweed, morning glory, thistle, many others.

For one simple reason. Banvel translocates. Absorbed by leaves, stems, roots, Banvel moves with plant fluids from leaf tip to root tip. Destroys as it goes. So, no regrowth. Ask us for application details about Banvel, today.

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So think Banvel:

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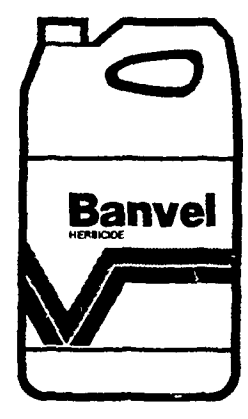
. . . When you're planning to rotate to wheat or oats in the fall or soybeans next spring . . . because BANVEL DOES NOT CARRY OVER.

Your ag chemicals dealer has your supply. Any questions? Call free of charge on the Velsicol Herbicide Hot Line: 800-621-4129 (Illinois callers: 800-972-8381).



Before using any pesticide, read the label.

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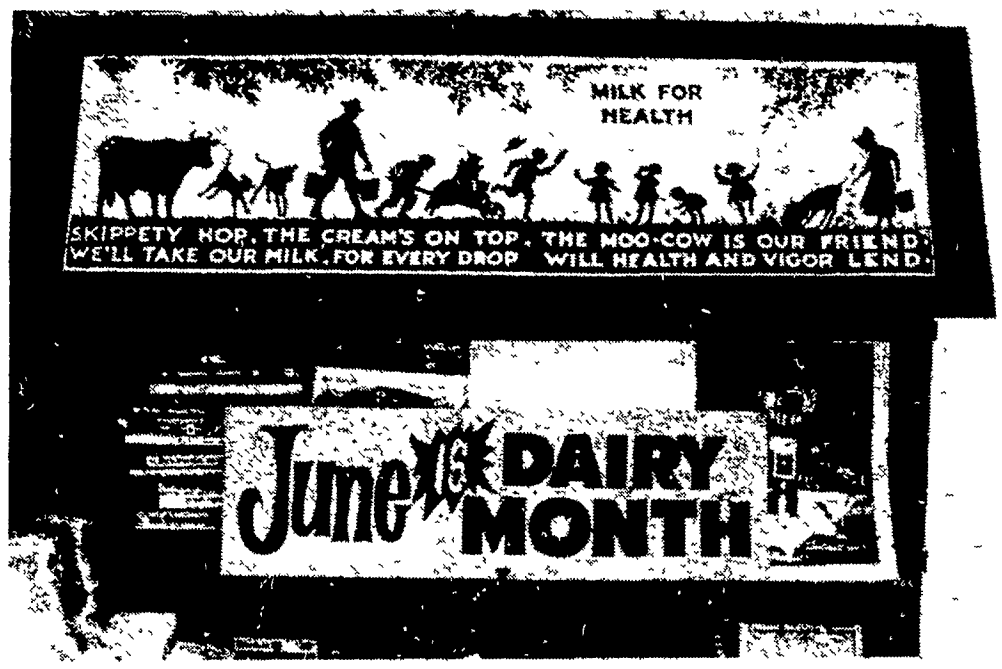
Dairy history comes in a bottle


MILK FOR HEALTH
SKIPPETY HOP, THE CREAM'S ON TOP, THE MOO-COW IS OUR FRIEND;
WE'LL TAKE OUR MILK, FOR EVERY DROP WILL HEALTH AND VIGOR LEND.
June is DAIRY MONTH

Promotional materials are among the collectibles Mr. and Mrs. Paul Ayars of Newark, Del. have found interest in.

On the top shelf are discontinued cartons of the modern variety, including two from Germany on the far left. Below them is an assortment of milk cartons from a generation ago, flanked by the more familiar milk bottles.

By DIETER KRIEG

NEWARK, Del. -- Dairymen have a friend in Paul Ayars.

Although he has neither cow nor barn, and he isn't much of a milk drinker either, Paul Ayars has a lot of enthusiasm for the dairy industry. So much, in fact, that if he could talk his wife into keeping a cow in the house, he'd probably do just that. The closest he has come to that move so far was when he kept a black-and-white cat. Not surprisingly, he called the cat "Holstein."

Now seriously considering the purchase of a goat, Ayars is what some people might call a fanatic about the dairy industry. He collects most anything that has to do with milk – posters, pens, pencils, caps, shirts, and even ashtrays. But the specialty is milk bottles. He has about 400 different ones, some of which date back to the early years of the 20th Century.

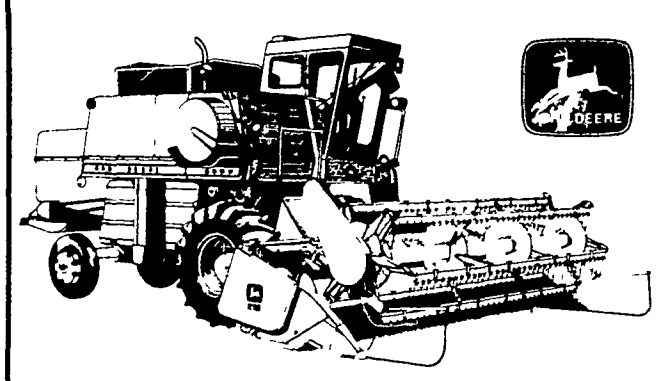
Collecting milk bottles and other paraphernalia is just one way Ayars' enthusiasm for the milk business blossoms.

As head of the dairy department for a Pantry Pride food store near Wilmington, Del., Ayars is in charge of organizing the dairy case. He adds his own touch with special displays. For example, the entire dairy area may be "framed" with front pages of popular dairy magazines, pictures, and posters. A few of Ayars' old milk bottles and related objects of interest may help draw additional attention to the dairy section.

Ayars gets so involved with his work and hobby that he will actually maneuver tables and chairs around his home to produce mock display cases. Everything is measured to meet the specifications of the real show area at the supermarket. Then Ayars proceeds to line up cartons and bottles and anything else he can find which he thinks will catch the consumers'

(Turn to Page 105)

On display now... 120-hp John Deere 6600 Combine with 4-way adjustable rigid-bar platform



Value-rate a 6600 Combine and 200 Series Platform with rigid cutterbar

The 6600 has a 120-hp 404-cubic-inch diesel engine Cylinder width is 44 inches The grain tank holds 112 bushels or 147 with extensions Nine lights make your night harvest bright A dump-type stone trap eases cleanout A quiet cab is available with a high-backed Personal-Posture™ seat

Platform adjustability is outstanding You can tilt the cutterbar so the platform bottom is parallel to the ground with any size tires For efficient cutting in short or tall crops green or dry you can set cutterbar-to-auger distance in any one of three settings For good pinch-and-pull crop movement you can adjust the big-diameter cross auger forward back up or down Platform sizes for the 6600 Combine range from 13 to 22 feet

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Without **Y-O-U** . . .

YOUNG'S is simply **N-G!**

Dairy history

(Continued from Page 104)

eye. "I might stay up until 2 or 3 a.m. working at different arrangements," he commented during a recent interview. As far as he's concerned, there's no such thing as putting too much time and effort into a dairy display.

Ayars' unusual hobby and enthusiasm stem from the fact that his grandfather owned a farm. Although he never got into farming, he has a sincere appreciation for it. His form of involvement is dairy product promotion.

It was nine years ago, when his mother died, that Ayars really became involved in what has become a fascinating affair for him. He was cleaning up the attic in his mother's former home and came across a box which contained some old milk bottles. "I found them pretty and so I began collecting," Ayars explained matter-of-factly.

Ayars keeps his collection of bottles and "go-withs" such as lids, and other milk related items in a special room in his house. A large sign on the door says MOO SEUM. Inside are shelves and shelves of the collectibles Ayars loves to talk about. The walls are full of dairy related posters and signs. Promotional materials from store displays are also warehoused here. In short, anything with the word "milk" or a picture of a cow on it is considered worth keeping. The end result is that Ayars has a roomful of advertisements, bottle caps, bottles, pictures, Christmas cards, and posters which offer a visual and tangible link to the milk business' bygone years.

Ayars' wife, Dorothy, shares her husband's enthusiasm and interest. Both take delight in being able to show their many varieties of bottles to friends. They have them in different shapes and sizes and even in different colored glass. Some, like the "baby-faced" specimens and others with a deep crease in the side, are specially designed for cream removal.

Mrs. Ayars adds her own special touch to occasions when visitors are being entertained by baking cookies in the shape of cows, milk bottles, and bottle caps. The latter are served complete with special markings.

The Ayar's collection and interest has grown over the years as a result of frequent visits to flea markets and swap meets where bottles may be found. Many have come to him as gifts from people who have learned about his dedicated hobby. Through his association with others who have similar interests, he has also become engrossed in collecting dairy post cards, dairy farm pens, shirts and caps which promote milk, dairy cooperative materials, and breed organization paraphernalia.

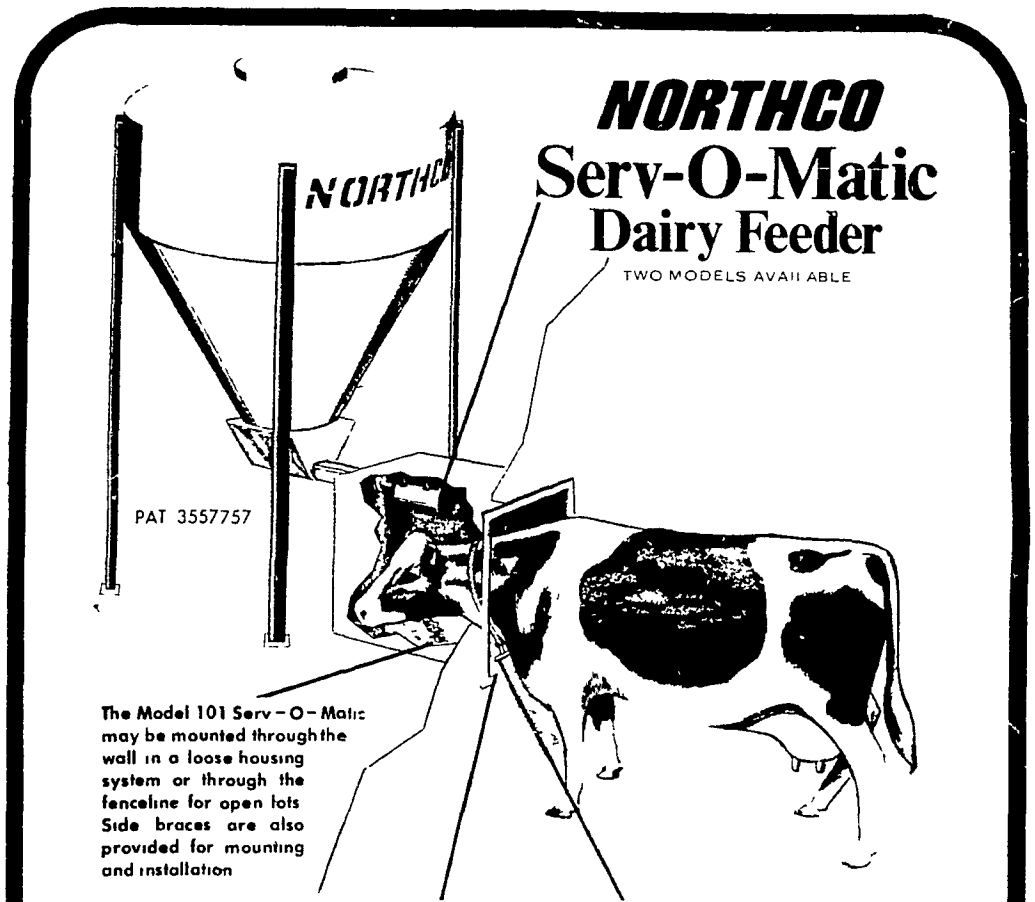
Among Ayars' collection are bottles which date back to the days of Gail Borden and Harvey Thatcher, inventor of the first milk bottle.

As president of the Tri-State Bottle Collectors and Diggers Club, Ayers is one of about 40 persons from Delaware, Maryland and Pennsylvania who find fascination in collecting bottles. The group holds its annual bottle show and sale tomorrow (June 4) at the Aetna Fire Hall, Newark, Del. The 55-year old collector is also a former honorary vice president of MOO – Milkbottles Only Organization – which has between 300 and 400 members, nationwide.

Some of the items which Ayars has in his collection would be expensive if they had to be bought. Most all of it was free years ago when it

(Turn to Page 117)

Bottle caps from dairies all over the country are among Ayars prized possessions.



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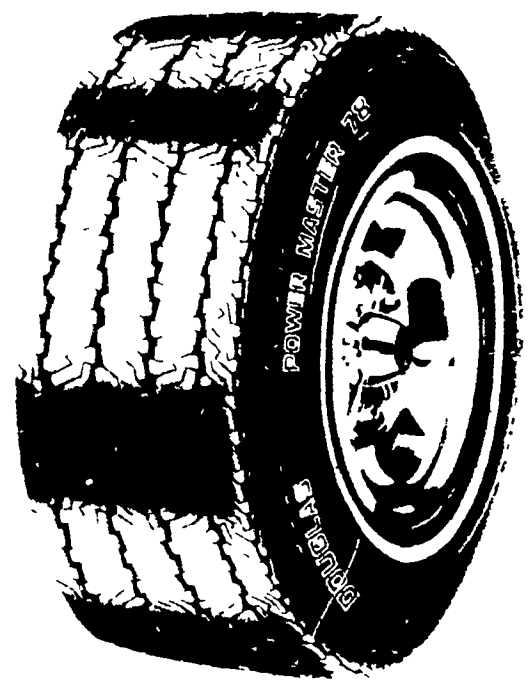

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Cumberland Co. Dairy Princess Contest June 21

Kathy Strock

Sheree Mains

Pamela Beam

NEWVILLE — The 1978 Cumberland County Dairy Princess will be chosen at the pageant to be held June 21.

Five young women will vie for the title at the contest set for 7:30 p.m. in the Big Spring High School, Newville. All are the daughters of dairy farmers and are involved in helping on the family farm.

Karen Smith, current Dairy Princess, will crown her successor from among the following contestants; Jill Barrick, 17, daughter of Mr. & Mrs. Clyde Barrick, Carlisle R5; Pamela Ann Beam, 16, daughter of Mr. & Mrs. Melvin Beam, Newburg R1; Sheree Ann Mains, 18, daughter of Mr. and Mrs. Richard Mains, Newville R1; Brenda Merkel, 17, daughter of Mr. & Mrs. Warren Merkel, Shippensburg R1; and Kathy Strock, 20, daughter of Mr. & Mrs. J. Paul Strock, Mechanicsburg R9.

Jill will be a senior at Big Spring High School where she is a member of the Senior High Band and Bandfront. She is Flash Flag captain, member of the Pep Club, Pennsylvania Association of Retarded Association and is on the track team. She is also very active in the 4-H Square Dance Club and the Centerville 4-H Sewing Club. She hopes to attend a two-year college and eventually work with the handicapped.

Pamela will be a senior at Shippensburg High School where her major course of study is business education. She is a cheerleader and a member of the Future Business Leaders of America. Her favorite pasttime is sewing. Pamela plans on becoming a secretary following graduation.

Sheree, a junior at Shippensburg State College is majoring in elementary education. She has held offices in the Blue Mountain Dairy Club and 4-H County Council and is active in the Grange and the Newville Creators Club.

Brenda will be entering the senior class at Big Spring where she is a member of the Pep club, VICA Club, and Youth Pennsylvania Association for Retarded Children. She attends classes in cosmetology at the Cumberland Perry Vo-Tech School.

Kathy, a junior at Penn State University, is an agronomy student. She is treasurer of the Penn State Folklore Society and serves as secretary of the Agronomy Club. Kathy plans on taking over the family farm upon graduation.

Judges for the pageant will be Mrs. Paul King, York County farmwife; Willis Richie, of Atlantic Breeders Cooperative; and John Kimbark, of the Pennsylvania Farmer magazine.

Jill Barrick

Brenda Merkel

Fungicides given registration

UNIVERSITY PARK — Pennsylvania has received a special local needs registration (Section 24c) for DuPont "Benlate" benomyl fungicide (EPA Reg. No. 352-354) and Stauffer "Captan 50-WP" fungicide (EPA Reg. No. 476-581) as a tank mix for the control of certain diseases of fruit trees, according to Winand K. Hock, Penn State Extension pesticides specialist.

This special registration is for Stauffer "Captan 50-WP" only. A special local needs registration is issued for a specific product only, not for a class or group of chemicals. It would, therefore, be illegal to recommend any other captan product for this particular registered tank mix.

The two products are used as a tank mixture for control of certain diseases of cherries, peaches, nectarines, and plums in Pennsylvania. It is a violation of federal law for a person to use these products in a manner inconsistent with their labeling.

The Du Pont "Benlate" benomyl fungicide plus the captan 50-WP fungicide is used for the control of brown rot blossom blight, fruit brown rot, peach scab, powdery mildew, and cherry leafspot in Pa. To help prevent the development of tolerant strains of brown rot and scab, it is strongly suggested that "Benlate" not be used alone in Pa.

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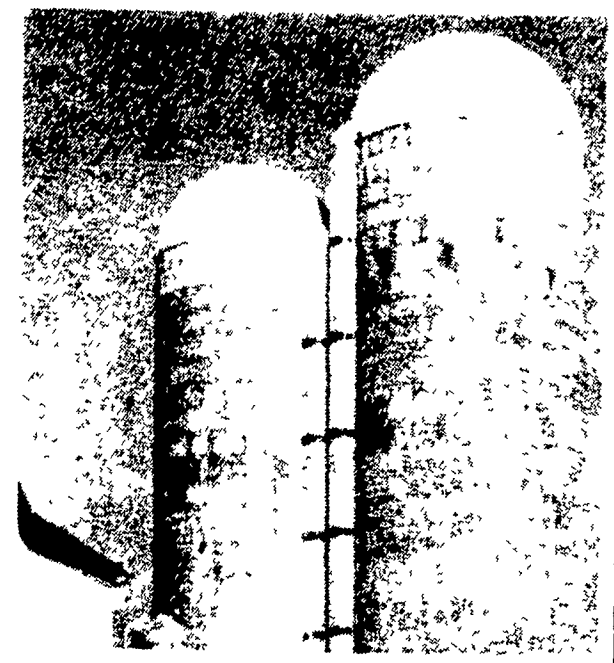

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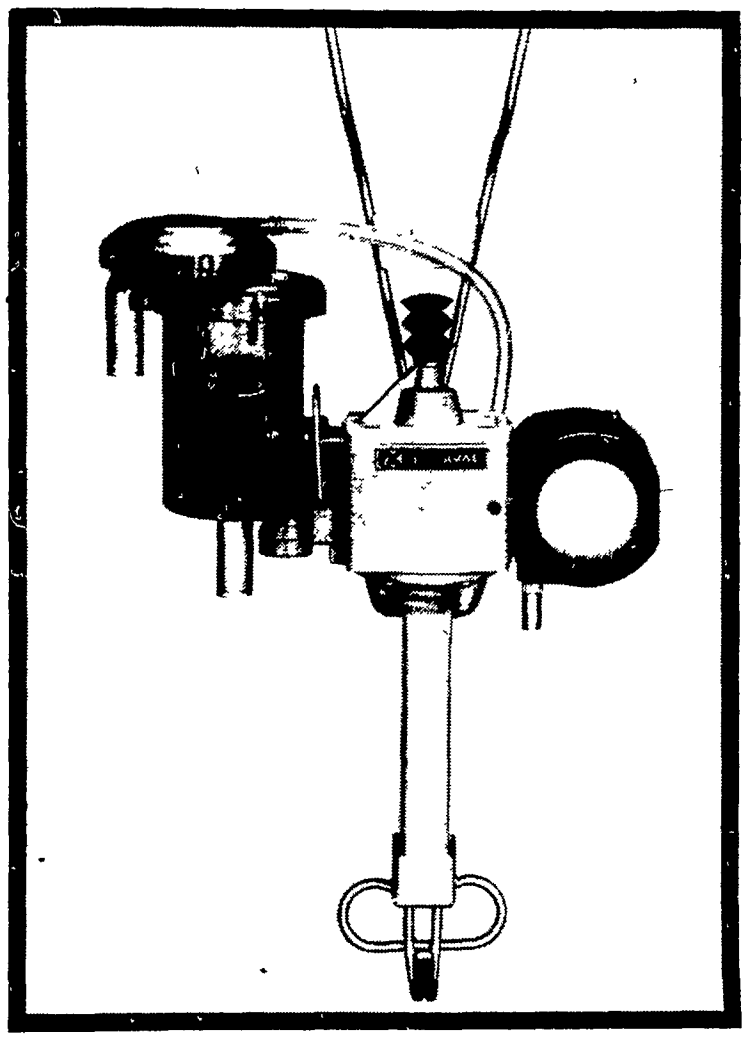

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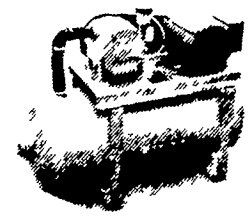

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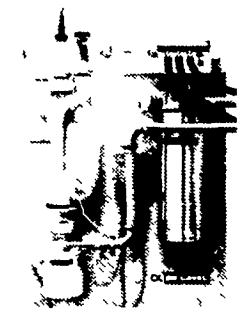

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Wilkinson Farms operation is diversified set up

The three men who make up Wilkinson Farms meet in the milk office as they often do to discuss the day's plans or long term goals. Seated is Tom Wilkinson. Looking over Tom's shoulder is Leon, and looking toward the two is Charles.

By SUSAN KAUFFMAN
Staff Writer

LANDENBURG -- Wilkinson Farms is a family operation made up of a three family partnership between a father and two sons. Leon Wilkinson and his two sons, Thomas and Charles, operate a diversified and extensive agricultural business. Included in Wilkinson Farms is a commercial dairy managed by Tom; a smaller dairy managed by a Delaware Valley College graduate, Robert Mecouch; a Holstein steer raising program crop production on 2800 acres, and a never ending job of machinery maintainence. Charles Wilkinson is in charge of the machinery and can be signaled by a beeper system and transmitted phone messages at all times for his help.

The youngest son, Lewis, is a custom-work operator and often contributes to getting the field workload completed at Wilkinson Farms and for local mushroom hay growers in the Landenburg area.

Last year Wilkinson Farms grew 850 acres of corn and 350 acres of soybeans. Haylage, corn silage, and high moisture corn are stored in trenches with some summertime storage of high moisture corn in a 20 by 60 Harvestore silo.

In addition to the 260 milking cows at the Wilkinson Farms home site which borders the state of Delaware near Newark, and the 65 milking cows at a second location near the Star Rose Gardens, the family operation also feeds another 350 head including calves, heifers and Holstein steers. The farm raises everything born to the herd. When the calves are two days old they are moved to a separate set of buildings several miles east of the home site where they are put in individual pens until weaned. They are fed milk replacement powder formula.

After weaning, the calves are moved in groups from then until milking or marketing. The first group usually consists of 25 calves. When the calves are three months old they are vaccinated, de-horned and the bulls are castrated by rubber band application. The steers are moved to another barn.

As the heifers grow they are gradually moved up the valley toward the freshening part in the stall barns at the carousel milking parlor, Unit I of Wilkinson Farms. Unit II is a 65 cow herd managed by Robert Mecouch for Wilkinson Farms. There the cows are milked in a double-four herringbone parlor. Tom Wilkinson sets up breeding sire selection guidelines for Mecouch, but he does the final selection himself. Unit II is situated on five acres of ground with an additional 500 acres rented nearby.

Leon Wilkinson attributes the fact that the family farming operation is an ongoing venture to each person, from father to sons and wives, as well, having their own field of interest.

"Charlies takes charge of the machinery, Tom is the dairyman, my wife is the central office person who takes calls and keeps a lot of records, and the other wives have their own bookwork they are responsible for, too," he explained.

"We three - Tom, Charles and I - get together in the morning in the milk office and discuss our plans for the day or for longer periods of time. We consult each other on major decision and we all have a say as to what happens around here," he added. "I try to work wherever I am needed I milk in the morning and take care of the field spraying. If you want details on the dairy or the machinery, ask Tom and Charles."

Leon Wilkinson says the country is the best place for a way of life and he works at public relations for the farmer's sake in civic and social spheres as well as official concerns He presently serves on the Chester County Board of Estimates, among other things, and recalls many hours spent working on the Clean and Green amendments on Pennsylvania Farmers Association lobbying projects and testifying many times before zoning hearings.

"I like to get out and tell the farmer's story; it is a story worth the telling," he states "Most people are so removed from the farm that they have no idea what agriculture is all about or how cheaply they eat here in America," he adds.

Keeping a farm family operation working is a fulltime job for the Wilkinsons of Wilkinson Farms, Landenburg

Sunrise...
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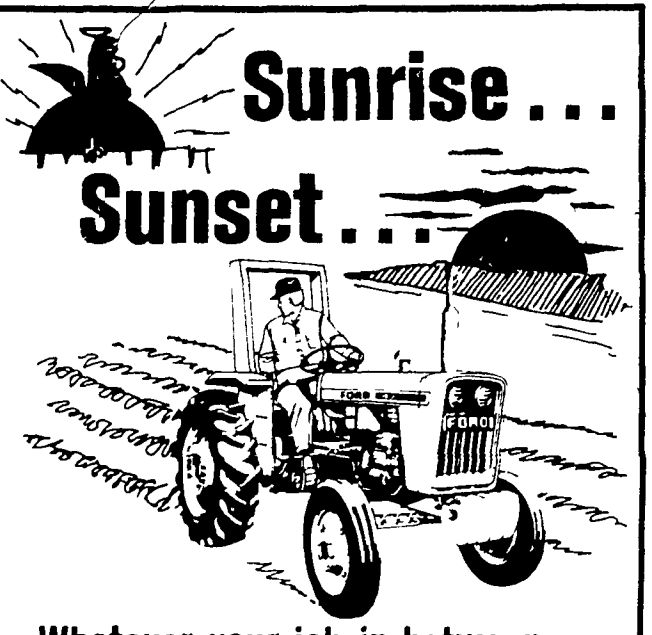

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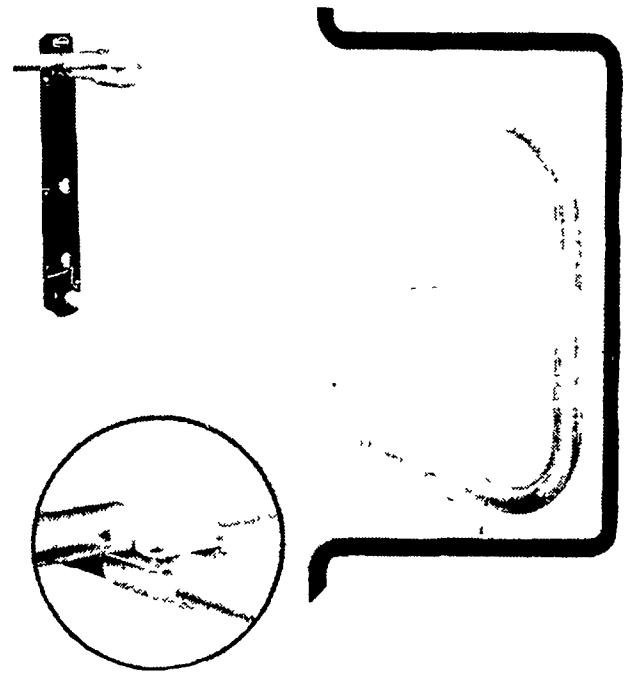

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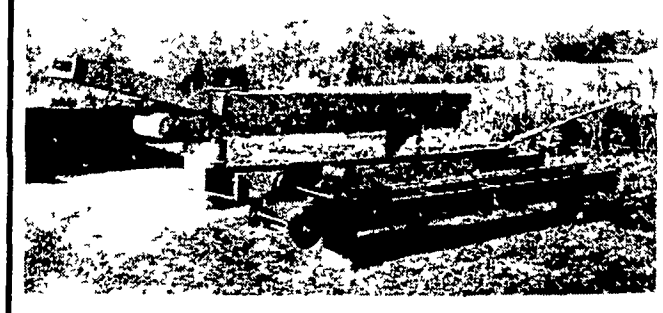

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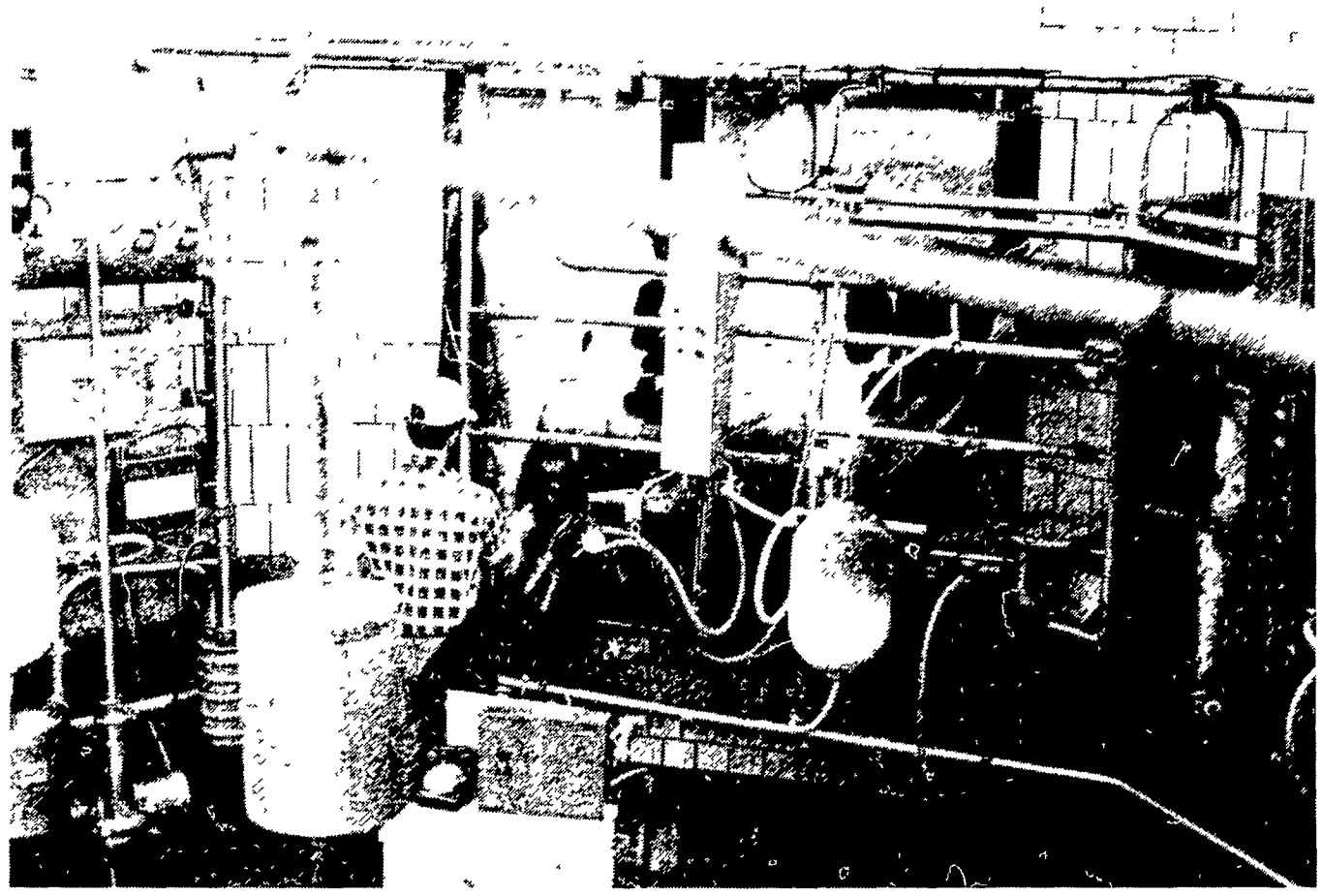
Carousel effective in handling increasing herd



Assistant herdsman Jay Malin puts the milkers on a cow in the 4-year-old carousel parlor with automatic take-off.

By SUSAN KAUFFMAN
Staff Writer

LANDENBURG – Since July 1974, Wilkinson Farms, in the southern tip of Chester County bordering on the state of Delaware near Newark, has been milking its herd in a carousel parlor. Although the parlor was not built with the existing commercial herd program in mind, the Wilkinsons have found the carousel a successful way to handle an increasing herd number.

Leon Wilkinson, father at the family farm operation, says he decided to build the parlor approximately five years ago without planning the specific present situation at the farm.

"When the boys and I needed to build a new milking facility, I suggested that we go to something that would not be outdated in a few years. If you are going to spend that kind of money, it should be spent with the possibilities of the future in mind," he explains.

Without having specific herd size and location rigidly programmed, the Wilkinsons have adapted their farming operation over the years to include the changing of manpower, business partners, and land leases as well. This flexibility in managing new situations as they come on the scene, and constantly striving to incorporate the family members' varied interests and skills have allowed Wilkinson Farms to develop to the extensive operation it is today.

Just a part of the whole set-up is the carousel parlor, a financial investment of no small means, but one which has paid off as far as the Wilkinsons are concerned.

Leon Wilkinson explained the family background in dairying to **Lancaster Farming.**

"For 40 years we milked a registered Guernsey herd. When we opened a jugging operation in a business operation with Ben Reynolds, then state representative, with a Green Valley label, we needed to mix the herd for the customers' tastes. To meet the demands of an increasing jugging market, I often had to purchase seven or more cows in a day's time to supply the extra milk on short notice.

After Reynolds death in 1976 we brought the then existing Green Valley herd down here to the home farm and added them to the herd already being milked in the 2-year-old carousel. Then in 1977, one year later, we started a second herd near the Star Rose Gardens on the five acre site my son Larry had kept a herd on. The cows here at home in the carousel set-up are our Unit I and the herd at Star Roses is Wilkinson Farms Unit II. My son Tom is in charge of Unit I and a Delaware Valley graduate, Robert Mecouch, is herdsman at Unit II," Leon Wilkinson continued.

In 1977 Tom bought 70 more milking head, freshened an additional 90 from the home herd, and added them to the carousel system at Unit I. Starting five years ago with a much smaller herd, and adding year by year to a commercial herd, Tom Wilkinson now milks a total of 260 cows in the carousel. With the help of Leon at 4 a.m. and an assistant herdsman, Jay Malin, during the 2 p.m. milking, Tom can handle 60 cows an hour.

Actually, one man operates the carousel and the other man assists in changing gates for the two groups of cows being milked and separating out the animals which need special attention such as veterinary work or inseminating.

According to Tom, the one operator using the automatic take-off carousel parlor can milk 1000 pounds an hour. The average length of time the individual cow rides the carousel is eight minutes. The carousel is an eight stall system with auto-matic (air-matic) take-off. The take-off occurs in one step with no maintenance to that part of the system since it replaced an electric motor system a year ago.

"If you have something that runs for a year without any trouble, then you have got something there," remarked Leon.

The system is so successful in getting the cows milked in a little under five hours that Tom is planning to expand with another 25 or 30 more cows this year.

Tom Wilkinson worked his way through Delaware Valley College after completing high school at Kennet where an FFA program no longer was in effect by the time he reached high school age. After observing and working in a number of different milking set-ups he feels, "I like the carousel better than any other set-up I have seen."

"We have broken in 160 head of first calf heifers in this carousel without having two people in there," he added. "These heifers were brought in from all types of set-ups, too," he explained.

The cows are grouped into two groups according to production with the breakdown at 45 pounds for the start of the high producers. The dry cows, 30 at present, are also broken down into two groups depending on the length of time before freshening. Each of the four groups of cows is fed a complete ration mixed at the farm from results of forage analysis tests taken once a month. With the facilities of a drive-under bulk bin, electronic scales and a mixer-auger, the complete ration can be made up to cater to the needs of each of the four groups.

Cows who produce 75 pounds and over will also have a magnet feeder free choice.

One of the free-stall barns constructed in 1974 along with the parlor at a total cost of $160,000 holds one group of milking cows. A second free-stall barn built along with a feeding area with a cost of $60,000 two years later houses the lower producers. The high producers, in barn Number 1, have clay stall floors and sawdust. Barn Number 2, for the lower producers, the newer barn, has rubber mats and the Wilkinsons find it necessary to use sawdust there, too.

The stall barns have removable ventilation panels, specially designed head bars and stall pipe

(Turn to Page 112)

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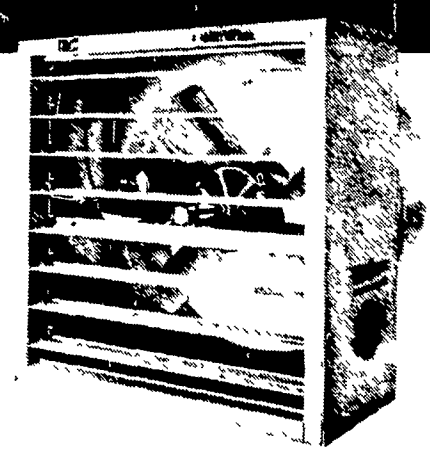

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"Inner Peace," an Adams County singing group, will entertain at the York County Dairy Princess Pageant. From left are: Karen Myers, Steve Myers, Sandy Zeigler, Jane Myers and Dave Zeigler.

York Co. dairy industry to choose new first lady

YORK – Amidst a setting of flowers and candles, a new first lady of the York County dairy industry will be crowned on June 10. Six lovely young ladies will be vying for the honor in the annual dairy princess pageant to be held at the county 4-H center.

The pageant is set to begin at 8 p.m., with reigning princess, Susan Adams, Delta R2, presiding over the coronation ceremonies. Entertainment will be provided by "Inner Peace" a group of five singers from Adams County.

Entrants are Terri Warner, Mary Lou Parks, Barbara Ann Snyder, Cathy Sue Taylor, Ann Miller, and Patricia Greek.

Terri Warner, 16, is the daughter of Mr. and Mrs William Warner, Felton R2. A junior at Kennard Dale, in the business field, Terri plans a medical secretary career She helps with the calf feeding at her parents' farm, where the family milks 70 Holsteins Terri is a former 4-H member and is active in school organizations She's a member of the volleyball team, captain of the flag bearers, and belongs to the medical careers club and the Future Business Leaders of America.

Mary Lou Parks is also a 16-year-old Kennard Dale High School junior. She is the daughter of Mr. and Mrs. Roy Parks, Jr, Stewartstown R2, who milk a herd of 90 Holsteins. Mary helps to raise the calves on the farm and owns a young bull. Majoring in business, she hopes to enter that field following graduation. She is a member of the high school orchestra and chorus, and takes part in the Citizens Band Radio Club.

Barbara Ann Snyder is the daughter of Mr. and Mrs. Charles Snyder, of Felton R1. Age 16, she is a junior at Red Lion Area High School, where she is majoring in vocational agriculture. Barbara hopes to be a farmer and will assist her father on the family farm following graduation. Active in the Future Farmers of America, she is the current county president and has held numerous offices in the local chapter. Barbara is the owner of six Jerseys and a member of the Jersey Club She is a member of Penn's Agri-Women and teaches a Sunday school class

Cathy Sue Taylor, age 17, is the daughter of Eugene Taylor, Manchester R2. A senior at Northeastern Senior High School, she is majoring in the field of business and plans to work on the family 86-cow dairy farm following graduation. President of the White Rose Dairy Club, Cathy owns one Holstein heifer and helps to raise the calves from the dairy herd In addition to her photography hobby, she enjoys writing to pen pals and is a member of the Mailbox Bible Club

Ann Miller is the daughter of Mr. and Mrs. Ray Miller, Seven Valleys R1. A senior at Spring Grove Area High School, Ann plans to attend the York Campus of Penn State majoring in animal science. Her goal is to become a veterinarian. President of the school Student Council, Ann is a member of the National Honor Society and statistician for the wrestling and track teams. She owns two Holsteins and belongs to the 4-H Dairy Club, Veterinary Science Club, County Council, and Lamb Club. Ann is a member of the Codorus Church of the Brethren, where she is active in the youth programs.

Patricia Greek, age 17, is the daughter of Mr. and Mrs. William Greek, Delta R2 A junior at Red Lion Area High School, she hopes to do secretarial work in the dairy industry following graduation. A member of the Future Farmers of America, Patty owns four Holsteins and helps with her brother's dairy herd She is a member of the Junior Holstein Club and carries several 4-H projects, including dairy, handyman, veterinary science and community clubs, as well as being a member of the dairy judging team Other activities include Youth Fellowship and community recreation council

Kathy Lehman, York R 11, is county coordinator of the dairy princess program

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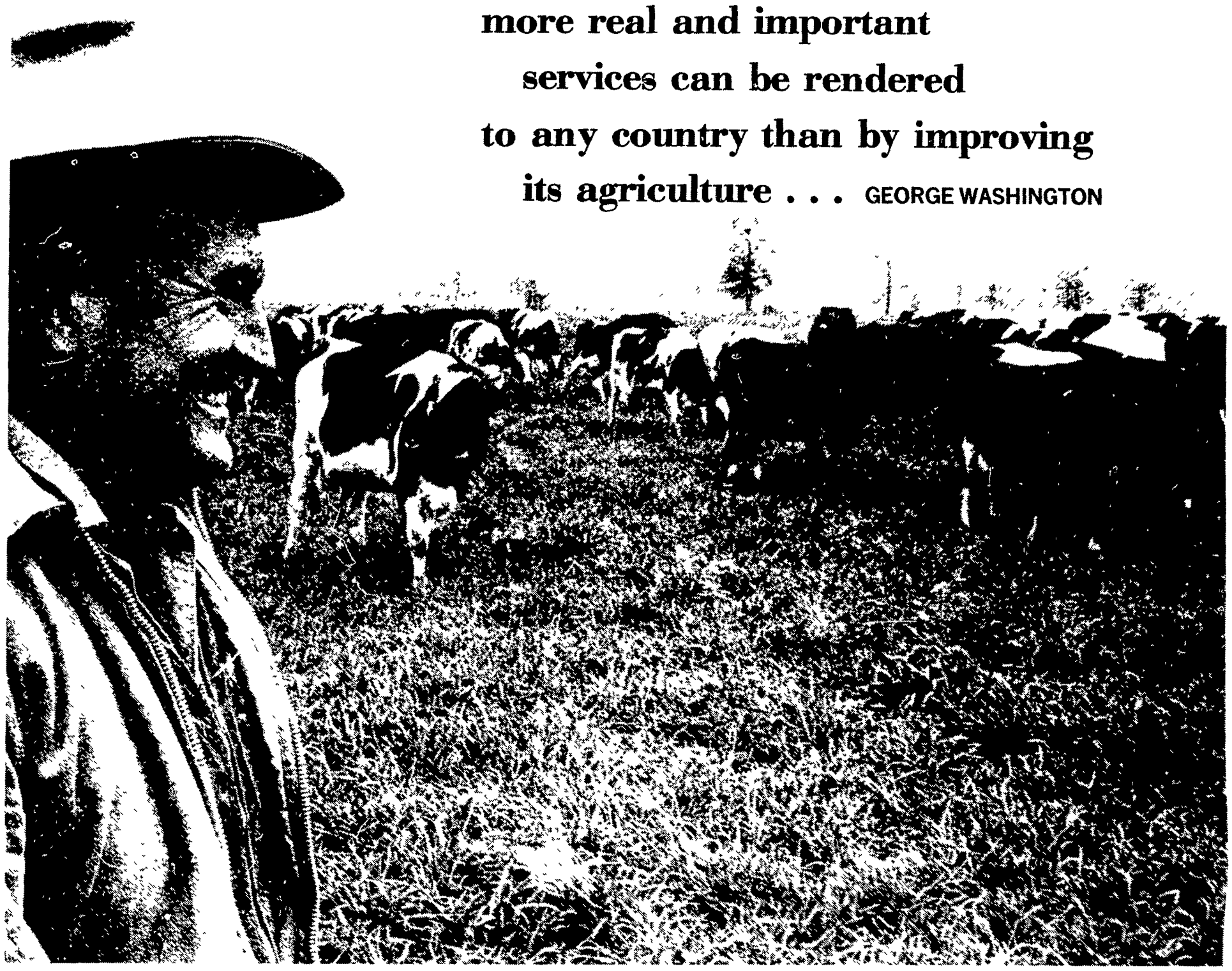

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Carousel found

(Continued from Page 109)

construction, a series of gates so arranged to hold as many as 15 head temporarily for treatment or breeding purposes, drop curtains to shut out the Winter draft at the treatment pens and a crowd gate.

The Wilkinsons are well satisfied with their stall barns since they are free of condensation and adaptable to weather variations throughout the year.

Once the cow gets up to the parlor entrance at the eastern end of the stall barn, she will trigger a warm-water prep stall system. When a stall on the carousel is available, about one a minute, an air-controlled door opens and the cow steps through the door to her left as she mounts the carousel.

Once in the stall, the door closes and the herdsman washes and towel dries the udder then puts on the teat cups. As the cow continues the eight minute ride around the parlor, when her milk flow stops for 40 seconds, the automatic take-off goes into action. If a high producer is not milked out by the time she gets around to the exit, she continues to ride through another circuit around the parlor.

About every 10 days, the cows' milk weights are recorded for grouping purposes. An extra person mans pen and paper and watches for the take-offs as they occur. The glass jars have weight gradations marked for observation. The milk is pumped over head to the center of the parlor, then out to the 3000 gallon bulk tank in the milk house. Two five-horse power motors cool the milk almost as fast as it comes in, according to Leon. They shut on and off constantly during milking.

While the cow is in the parlor, she is checked for a marker-bull evidence of heat and separated out into a holding pen when finished milking. Tom Wilkinson inseminates the cows artificially. His assistant herdsman, Jay, is starting to help out with this part of the herd care, too, since completing training in artificial insemination. Tom says he has no particular sires he uses, but stays with ones with at least 1000 predicted difference and a 70-plus repeatability. He also looks for a sire who produces good hind-legs and udders. At present Tom does not foresee having a registered herd for the commercial set-up.

Tom Wilkinson uses two breeding charts mounted on one wall in the barn office to keep track of the herd. "Getting the cows bred back quickly is the goal," he said. "My breeding records are right out in the open for anyone to see if they know how to read the charts," he added.

When asked about mastitis and the carousel parlor, Tom quickly replied that he has very little trouble with that. "There will always be a certain percentage in a herd who will have problems," he began. "I only have one or two cows at any one time, though," he added. "One thing that is important to me, though, is that we don't change the men milking very much. It is usually the same men."

There are only two problems with the carousel, as Leon Wilkinson sees it. First, the cows have to turn slightly as they enter the parlor stall. If they could come straight in rather than at an agle it might be easier, he said.

Tom Wilkinson attaches a milker in the carousel parlor.

The second drawback, a minor one, is that the observation deck is directly across from the entrance door the cows come through to get on the carousel.

"When we have tours here, the cows can see the people as soon as the door opens and some hesitate to come in," Wilkinson explained.

As far as Tom Wilkinson, the dairyman at Wilkinson Farms Unit I, is concerned, the carousel is the best set-up he has ever seen.

Jr. livestock and meats judging contest scheduled for Keystone International

HARRISBURG – The Pennsylvania Livestock Association will be sponsoring a new all-inclusive junior livestock and meats judging contest at the Keystone International Livestock Exposition, to be held November 4 through 8, at the Pennsylvania Farm Show Building, Harrisburg. The contest will be open to all 4-H and FFA members between the ages of 13 and 19. Counties and schools may enter as many teams as they wish or they can enter as individuals.

The contest will be held Monday, November 6 at 9:30 a.m. It will consist of 10 classes. These classes will be feeder steers, feeder pigs, market lambs, market steers, and market swine. There will be classes on beef heifers, gilts, and ewes. It will also include a class on wholesale meat cuts and 10 retail cuts of meat to identify by species, wholesale cut, retail name, process form and method of cooking. There will be a 20 question quiz on animal production and management.

At the conclusion of the judging of the above classes, awards will be presented to 10 top three-member teams with the first place team receiving $100 and premium money going down to 10th place, receiving $10.

The 20 top individuals will receive ribbons and premium money with the high individual receiving $50 and premium money going to $5 for 10th place. Each member from 10th place to 20th place will receive $5.

The top 10 individuals will then be judged in showmanship of beef, sheep, and swine. At the conclusion of the showmanship division, their score will be added to the contest judging score score and a Keystone Junior Stockman of the Year will be designated from the high total score. This member will receive a trophy, ribbon, and a $500 savings bond The second high individual will receive a trophy, ribbon, and a $250 savings bond. The third high individual will receive a trophy, ribbon, and a $100 savings bond.

There also will be awards for five top individuals in judging of beef, sheep, swine, and meats.

The contest is open to all states and Canada. Entry forms and details on the contest may be secured by writing to Charles Itle, manager, Keystone International Livestock Exposition, Farm Show Building, Box 3362, Harrisburg, Pa. 17120. Entries close September 30, 1978.

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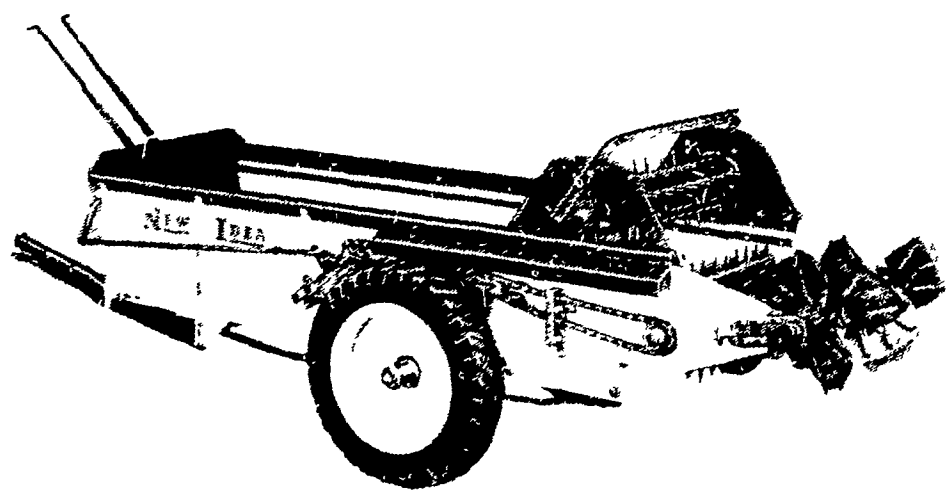

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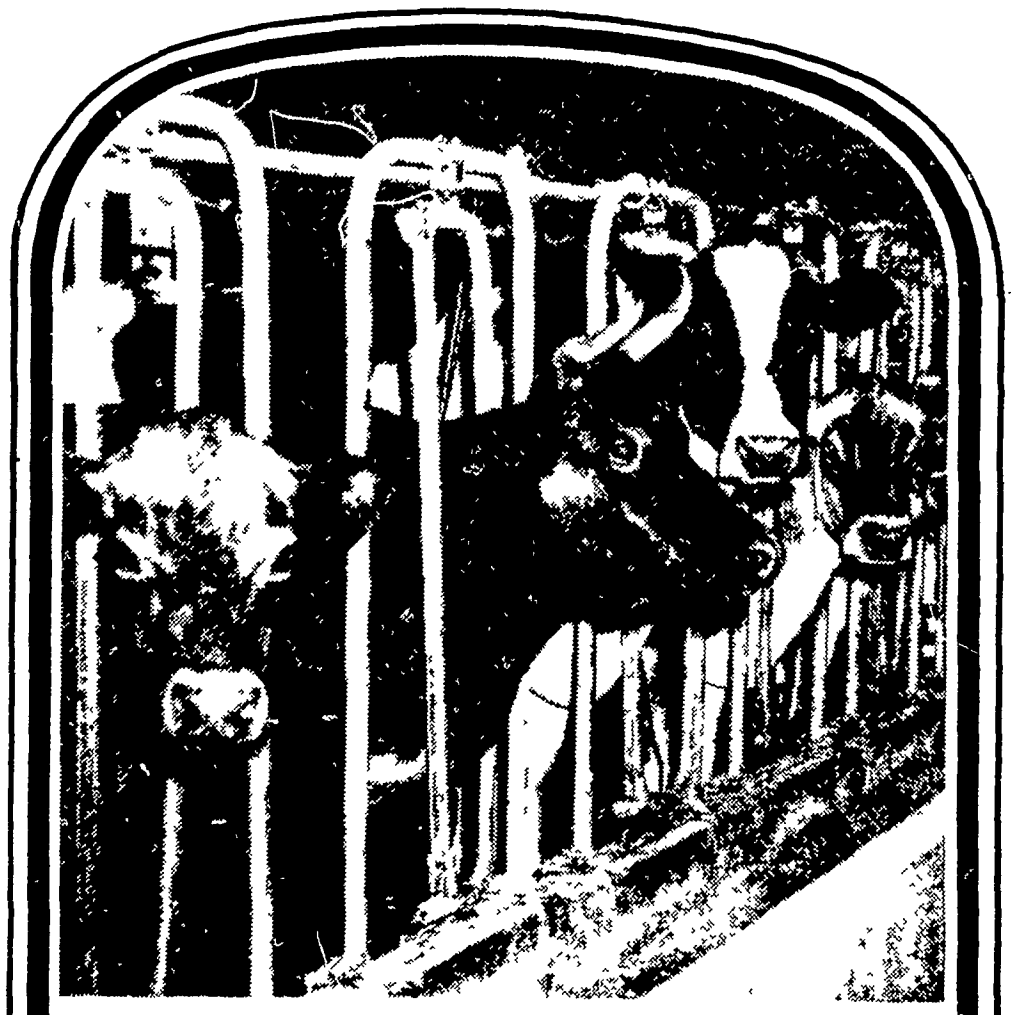

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Milk pricing on a protein and fat basis?

UNIVERSITY PARK – Interest in the possibility of including price differentials for the protein or solids-not-fat content of milk, in addition to those for butterfat, is currently at a high level throughout the country. This idea has been supported with varying degrees of enthusiasm for several years, however, and one might wonder why adoption is so slow throughout most of the United States California is the major exception to the conventional milk weight plus butterfat content basis for pricing milk to farmers. In California milk has been priced on the basis of three components – fat, solids-not-fat, and the fluid carrier since 1962. Several cooperatives, most notably the Golden Guernsey Cooperative of Milwaukee, Wisconsin and the Mississippi Valley Milk Producers Association of Davenport, Iowa have paid premiums to their members for protein content above specified levels for several years. Two Vermont cooperatives have just recently initiated protein pricing plans and others use or have used plans of various descriptions. The amounts of milk involved in all of these, with the exception of the California plan, are small relative to total national production.

Milk as it comes from the farm varies in its content of both fat and non-fat solids The sources of variation are many -- management practices, stage of lactation, season of the year, age of the cow, and most importantly, the breed of cow. Variations in fat content and total milk yields are well documented and understood – after all these are the bases on which most farmers have been paid for their milk for a long time. Variations in non-fat solids are due principally to variations in protein content, and somewhat less is known about what causes these.

Associated with variations in the solids content, of course, are variations in product yields A point of fat (0.1 per cent) in 100 pounds of milk equals one-tenth of a pound of butterfat The 0.1 lb. of butterfat will yield approximately 0.125 lbs of butter. A point of protein will yield approximately 0.1 lb of non-fat dry milk, or 0.25 pounds of cheddar cheese Each of these products have a value on the market The relative value of these products has changed quite a bit, however, over time. The price of non-fat dry milk has increased to about five times its 1960 level, natural cheddar cheese to about three times its 1960 level, and butter to less than twice its level in 1960. At the same time, the consumption of low fat, or skim milk beverages has increased while the consumption of whole milk has decreased.

Many of these changing market values are already reflected in overall producer prices. The skim portion of milk has increased from about 30 to about 60 per cent of the total value of milk since 1960, while the fat portion has declined from about 70 to about 40 per cent of total value. These changes are in accord with changes in consumer demand, on the average. Differences among individual producers as to butterfat content are adjusted for, but differences in protein or solids-not-fat content continue to be ignored. Thus, a farmer with milk of a high protein content obtains the same price for milk of a given butterfat content as the farmer with milk of a lower protein content. Yet the milk with the greater protein is clearly worth more, at least in so far as the manufacture of whole and skim milk cheeses, non-fat dry milk powder, yogurt, and the like, are concerned.

The value of additional protein or non-fat solids in beverage milk cannot be established so easily. Increases in the consumption of skim and low fat fluid milk products, coupled with decreases in the consumption of whole milk, suggest a declining demand for butterfat in fluid milk products. A number of studies have shown that consumers prefer, on the basis of taste, a higher total solids milk beverage to one with lower total solids Furthermore, they are generally indifferent as to the source of additional solids (fat or non-fat) when taste preferences alone are considered.

Since they are voluntarily consuming less butterfat in fluid products, however, it is logical to assume they would prefer that additional solids come from non-fat sources if given a clear choice. Thus, additional solids-not-fat does have value in fluid milk products. The question remains, of course, of the level of value. A value for additional non-fat solids in fluid products may be assured by setting mandatory minimums above the levels contained in farm milk, forcing processors to standardize upwards through the addition of non-fat dry milk powder. This is done in California now, and proposals to include such a provision in any new plans in other areas have the support of many dairy industry leaders.

It has already been pointed out that fat and protein are the only components (other than water) that vary much in milk. Protein is rarely separated out by itself, however, and remains combined with the other non-fat solids (lactose and minerals). Thus, a market and a price for protein does not exist directly, and the value of protein must be inferred from market data which do exist. A price for non-fat dry milk is regularly established in the market and one knows daily what another pound of solids-not-fat is worth in its use of last resort. Then too, when beverage milk is fortified with additional non-fat solids, powder is used, not protein alone

Protein, on the other hand, sounds more glamorous than solids-not-fat or non-fat solids, both of which contain the somewhat negatively regarded term fat Consumers are increasingly concerned about the possible effects of excess fats and body weight, as well as deficiencies in protein and calcium, on their health Approximately 22 per cent of all human dietary protein in the United States comes from the consumption of milk and dairy products Pricing milk at the farm on the basis of protein content provides the dairy industry with a means of showing its awareness of trends in the consumption of dairy products, and reflects a response to consumers' dietary and health concerns.

A minor agrument in favor of protein rather than solids-not-fat pricing is that the laboratory tests for protein are both more accurate and less expensive than those for solids-not-fat. Adding a test for protein, when a fat test is going to be run anyway, is relatively inexpensive. Of course, the cost of any additional test must initially be borne by the dairy farmer. Whether it can be recovered in the market is uncertain, but one feels, intuitively at least, that consumers will respond more favorably to advertising and promotion on behalf of protein than they do on behalf of fat.

The case for applying a differential to protein instead of solids-not-fat, or vice-versa, has not been finally proven. The material to follow in this article, however, is based on the use of differentials for protein rather than solids-not-fat This reflects what the present authors believe is the component preferred by a majority of the persons concerned with this issue

Undoubtedly the most important reason that adoption of protein pricing is so slow is that dairy farmers have not generally seen fit to push for such a plan. Levels of butterfat and protein vary in the same direction and one would expect owners of Holsteins to be reluctant to propose a change that might result in lower prices for their milk. Owners of the high fat, high protein breeds are likely to favor a protein pricing plan, but they represent only 10 to 15 per cent of all the dairy cows in Pennsylvania. The lack of specific estimates of gains and losses to individual producers has hampered progress toward the adoption of some protein payment plan because dairy farmers simply are not sure how the prices they receive are likely to be affected in actual practice. Research has therefore recently been completed in which estimates of such price effects were made for each of the five major dairy breeds in Pennsylvania. The prices that would have been received by individual dairymen for several alternative combinations of protein and fat differentials were estimated using data from 136 Pennsylvania Dairy Herd Improvement Association herds. Protein content was measured in addition to the usual fat content and milk weights.

Class prices, utilizations, and butterfat differentials in Federal Milk Marketing Order 4 (Middle-Atlantic) in the 24 month period January

(Turn to Page 114)

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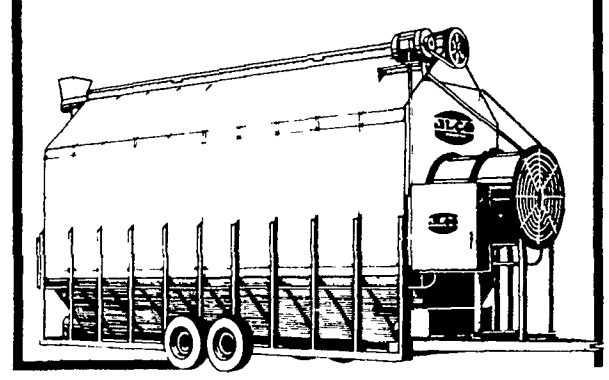
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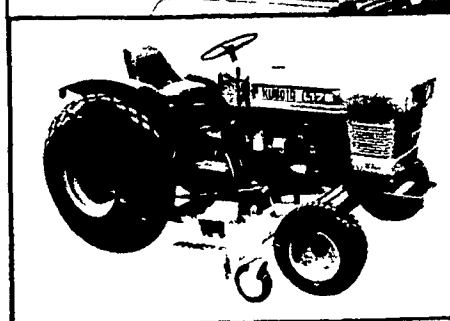
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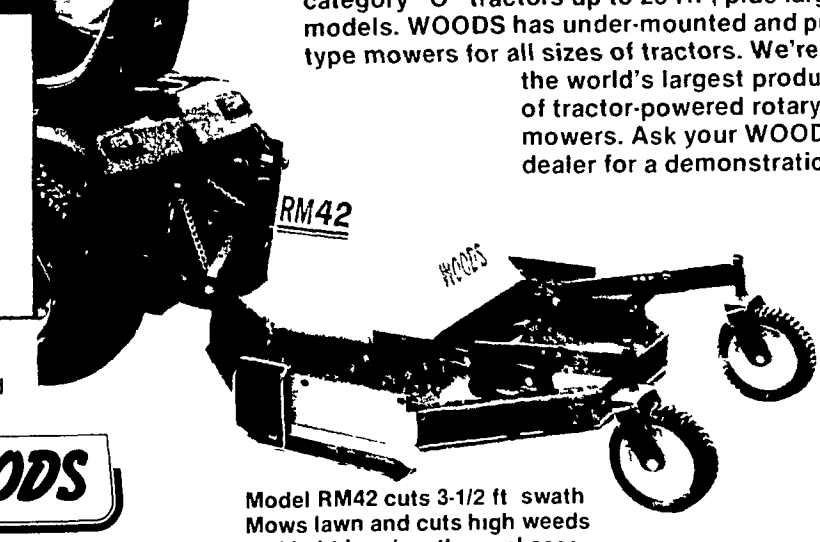

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Milk pricing on a protein

(Continued from Page 113)

1976 through December 1977 were applied to the DHIA data to obtain base prices for each herd and the total value for the production of all 136 herds. The total value of the milk produced by all herds was held constant for each alternative payment plan that was considered. Individual herd prices computed for each plan were compared to their respective base prices.

A summary of findings for selected protein-fat combinations is presented in Table 1. The range of protein and fat differentials listed reflects current market values for those components. The average fat differential in Federal Order 4 was 10.6 cents in 1976 and 11.3 in 1977, or an average for the two years of 10.95 cents. Estimates of the market value of protein vary a great deal depending on how they are conducted and what final products are assumed. The range of estimated values currently runs from about 3 cents to about 8 cents per point and is encompassed in the payment plans that were considered.

The figures shown in the last line of Table 1 are simple averages of the effects of the 12 possible payment plans that were considered. In practice, some specific plan would have to be employed and then only the effects shown for that plan would be relevant. The plan would have to be selected by appropriate policy makers Fairly accurate estimates for combinations of differentials not specifically shown can be made by interpolation or extension

The following general observations based on the data of Table 1 are particularly noteworthy:

Brown Swiss, as a breed group, would gain under every one of the 12 plans listed

The Jersey breed group would gain under all except the 3-8 and 5-8 plans, whereas the Ayrshire and Guernsey breed groups would gain under all except the 3-8, 5-8, and 7-8 plans.

Holsteins as a breed group would lose under every plan except the one paying 3 cents for protein and 8 cents for butterfat.

The greatest average gains for all 12 plans combined would go to Jersey herds, with more moderate gains going to Brown Swiss and Guernsey. Only small gains would go to Ayrshire while even smaller losses would be experienced by Holsteins.

As the protein differential is increased and the fat differential is decreased by a like amount with the sum of the two differentials remaining constant - 3 and 12, 5 and 10, and 7 and 8, for instance - both Holsteins and Brown Swiss gain relative to the other three breeds. The losses for Holsteins become smaller and gains for Brown Swiss become greater The gains for the other breeds become smaller, and in the case of Jerseys and Guernseys, diminish quite rapidly.

Potential losses to Holsteins under the protein payment plans considered, though persistent, are really quite small compared to the rather large potential gains to most of the other breeds. This phenomenon comes about because Holsteins are so numerous relative to the other breeds. Small transfers from Holsteins result in considerably larger transfers to the others when the total value of the milk pool is held constant. Nevertheless, under every one of the payment plans considered, there were always some Holstein herds that would have actually received higher prices. This is because of the large variation in protein and fat levels that exist even among Holstein herds. Likewise, in most cases, there were some herds among the other breeds that would actually receive prices lower than the price based on butterfat differentials alone

To date there has been little economic incentive to increase protein production. Not as much is known, therefore, about how feeding practices affect protein levels as is known about how butterfat levels may be affected. The heritability of protein content is about as high as that of butterfat, but the range in protein tests among cows is smaller. Increasing protein content through genetic selection is possible, but progress is likely to be slow.

Early in the history of the industry only butterfat had much value. Now more of the value is placed on the total yields of fluid, irrespective of the content of non-fat solids. A protein-fat pricing plan would more closely match the prices individual farmers receive with the value the market places on their milk. Generally, the more milk a cow produces the more efficient she is in terms of converting feed into milk. With higher yields of milk, other things being equal, come greater quantities of butterfat, protein, and other solids. The future of high producing cows among the high producing breeds seems assured under any protein-fat payment plan that is likely to be adopted by the industry.

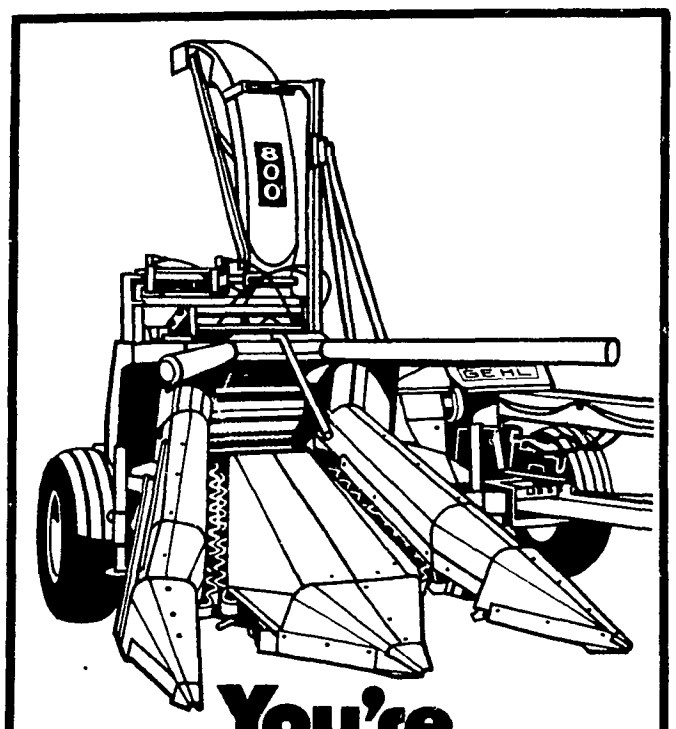
In the study on which this report is based the total monetary value of the milk produced was held at the same level under the base plan and all alternative payment plans. This was necessary so that relative effects among herds and breeds could be quantified. There is some feeling that with appropriate and aggressive advertising the demand for the protein component of milk could be increased and the total value of the pool would go up. Then enough additional income might be generated so that the Holsteins would not need to lose as a breed, although it would be too much to expect that no individual herd would lose. Whether or not the foregoing might be possible, there are inequities in the present system of payment that are of concern now to many people in the dairy industry.

Table 1 Potential differences between prices using butterfat differentials only and those using both protein and butterfat differentials Pennsylvania Dairy Herds 1976-1977

Differentials		Average effects on farm prices by breeds					Range of effects on milk prices for all breeds combined	
Protein	Fat	Ayrshire	Guernsey	Holstein	Jersey	Brown Swiss	Low	High
cents per point		cents per hundredweight						
3	8	-4 2	-16 0	0 3	-17 8	1 7	-28 0	14 3
3	10	0 6	1 4	-0 8	7 3	6 7	-6 3	14 6
3	12	5 4	18 9	-1 9	32 4	11 8	-10 0	43 6
5	8	2 3	9 6	-0 6	-5 3	7 7	-24 6	23 8
5	10	2 5	7 8	-1 7	19 8	12 8	-11 5	27 5
5	12	7 3	25 3	2 7	44 9	17 8	-15 2	60 5
7	8	0 4	3 2	1 4	7 3	13 8	-21 1	33 4
7	10	4 4	14 3	-2 5	32 4	18 8	-16 7	44 3
7	12	9 2	31 7	3 6	57 5	23 8	-20 4	77 3
9	8	1 5	3 2	2 3	19 9	19 8	-18 3	42 9
9	10	6 3	20 7	3 3	44 9	24 8	-22 0	61 2
9	12	11 1	38 1	4 4	70 0	29 9	25 6	94 2
Averages		3 5	11 1	2 1	26 1	15 8		

a These average effects are the same as would be obtained if a plan which was the average of all 12 plans (that is 6 cents protein and 10 cents fat) was to be employed

b An average here would not be meaningful



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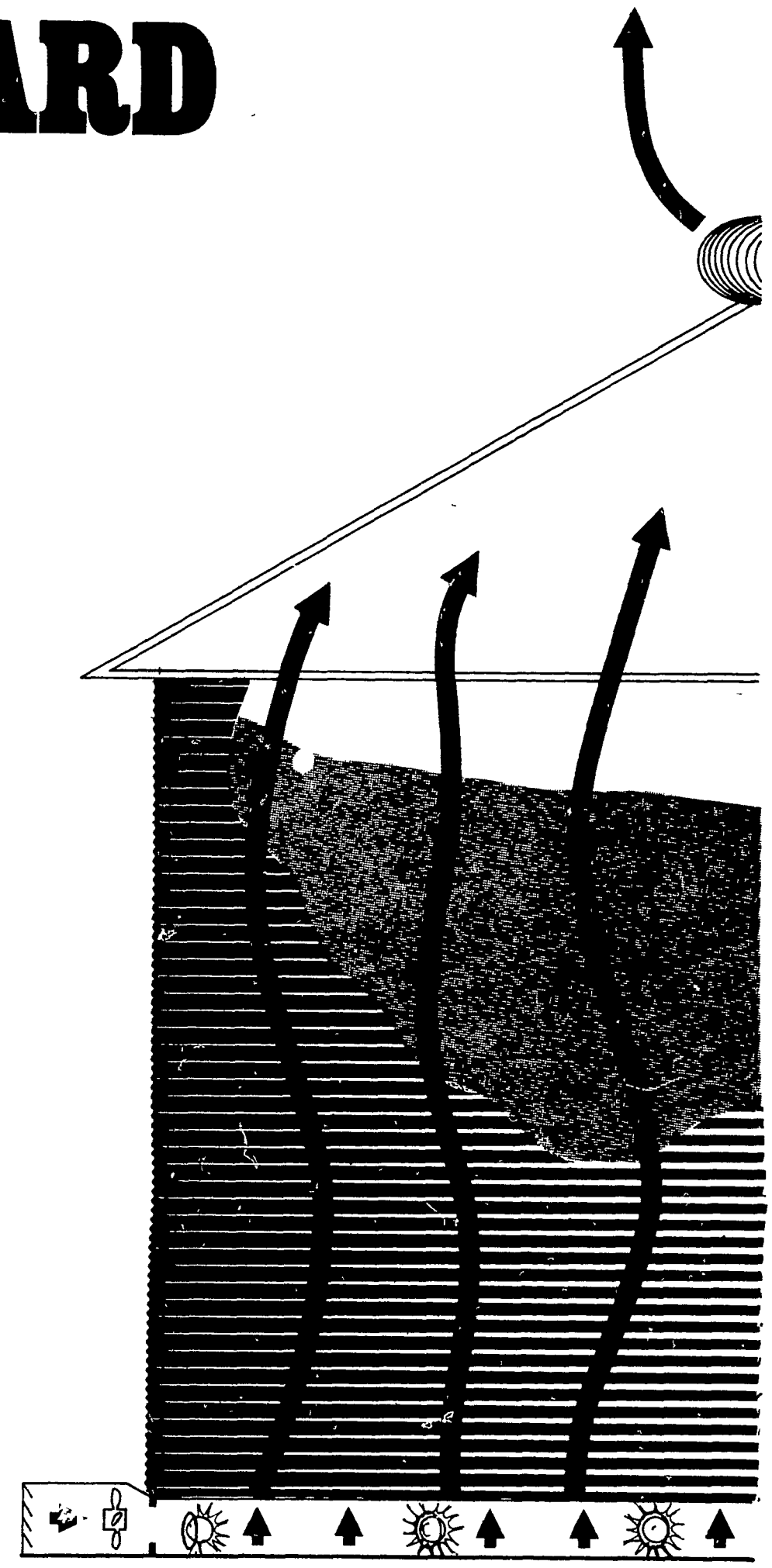

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HARVESTALL

Dairymen sold record supply of milk last year

WASHINGTON, D.C. – Last year, U.S. dairymen produced 123 billion pounds of milk and sold 96.3 per cent of it – a record high 118.4 billion pounds – as whole milk.

The reason is changing times, says USDA. A half a century ago, dairymen were marketing more of the production as farm-skimmed cream than as whole milk and were utilizing ¼ of their output on their farms – for calves, for family use, and for farm churned butter.

Records, which go back more than a half century, show farmers were utilizing 20 to 27.8 billion pounds of milk on farms each year from the 1920's through the 1940's. Up to 3.5 billion pounds of it was being fed to calves; 10-12 billion pounds of it used each year as food for the farm families and hired help. From 6.0 billion to 13 billion pounds was used for farm-churned butter.

A lot of it – a record high 36.5 billion pounds in 1933 for example – was sold as farm-skimmed cream. The total sold as whole milk never did top farm-skimmed cream sales until 1934. Up to 7.0 billion pounds of it also was sold at retail, direct to consumers.

By 1950, much of that was changed. Of the 116.6 billion pounds of milk produced that year, 70.4 billion pounds, about 60 per cent, was sold as whole milk. Only 20.2 billion pounds as farm-skimmed cream. Retail sales to consumers were down to 3.9 billion pounds. Farm use still totaled 18.3 billion pounds, with farm family consumption still 9.8 billion pounds. That used for farm-churned butter totaled 5.1 billion pounds. Another 3.2 billion was fed to calves.

In 1964, dairymen produced a record high 127.0 billion pounds of milk, and sold nearly 90 per cent of it as whole milk. The amount sold as farm-skimmed cream was down to 4.4 billion lbs. Retail sales were off to 1.9 billion pounds and milk used on farms was down to 6½ billion pounds. Only 2 2 billion pounds was being fed to calves; human consumption of milk on farms was down to 3.7 billion pounds. Milk used for farm-churned butter was at a then record low 600 million pounds.

Last year, sales as farm-churned cream were off to only 200 million pounds. Retail sales to consumers (by farmers) was down to 1.5 billion pounds.

Milk fed to calves was at a new record low 1.5 billion pounds. Use on the farm for human food was at a record low 1.3 billion pounds – and it included farm-churned butter use. The latter had dropped to 100 million lbs. by 1970 and fell off the chart thereafter. Over-all farm use was also a record low 2.8 billion pounds.

Groff farm income from dairy products hit a record high $2.3 billion in 1929. It stayed below that every year thereafter until 1941. In never topped $5 billion until 1952 or $6 billion until 1968.

Last year, cash receipts for farm marketings of milk and cream totaled $11.8 billion.

Half Pa.'s dairymen don't make up costs

HARRISBURG – Dairy farmers in more than half of Pennsylvania are getting less for milk than the cost of producing it, says the Pennsylvania State Grange.

The switch from profit to loss for many of the state's dairy farmers occurred in the first three months of this year, the Grange pointed out in testimony presented at a Milk Marketing Board hearing.

Clifford Tinklepaugh, chairman of the Grange's dairy committee, testified that at the end of March the cost of producing milk in the 19-county Pittsburgh milk shed was 53 cents per hundredweight higher than the average price paid farmers.

In the 20-county New York milk shed, production costs were 16 cents higher than the average price paid farmers.

In the 28-county Philadelphia milk shed, however, prices received were 79 cents per hundredweight above the cost of production, and for the entire state 30 cents above the cost of production.

Three months earlier, at the end of December, prices received in all areas were higher than production costs. The margins ranged from eight cents in the Pittsburgh Milk Shed to 23 cents in New York, $1.02 in Philadelphia, and 65 cents for the entire state.

The hearing was held to determine minimum milk prices in Area 4, the South Central Milk Marketing Area of the state. The 10 counties in the area are in the Philadelphia Milk Shed.

In citing cost and price statistics prepared by the Pennsylvania Crop Reporting Service, Tinklepaugh told Board members that "it becomes increasingly important to find an economic balance that will benefit producers and consumers alike."

Only a few weeks earlier, the Grange had warned that spiraling production costs could eventually have "a harmful effect on milk production in Pennsylvania, the nation's fifth largest milk producing state."

Chocolate Milk - is made by adding chocolate or cocoa and sweetner to whole milk.

4-H dairy council plans set

CHAMBERSBURG – The Franklin County 4-H Dairy Council Board met May 25 to set up committees for several upcoming events.

The 4-H Dairy Fitting & Showing Clinic will be held June 17, from 10 a.m. to 3 p.m. at the county fairgrounds. Everyone is to bring their own lunch and drink. Each club is to provide three animals. Instructors will be Jake Emig, Mary Shank, Billy Joe Heath, and Ginger Secrist.

The Ice Cream Social committee will be headed by Rhoda Brake. She has asked that the president of each 4-H dairy club and one mother from each club serve on her committee. This committee will meet June 15 at 8 p.m. at the Extension office. People will be notified of their appointments.

The committees were then set up for the 4-H Dairy Roundup. The people appointed will be contacted, and a list will appear in the show catalog. Necessary committee meetings will be designated by the chairmen.

The Dairy Promotion Committee of Franklin County needs three milk cows and a calf of each breed for an educational exhibit to be held at the Old Jail on July 15 and 16. Anyone interested in providing an animal may contact Phil Wagner or Harold Gayman.

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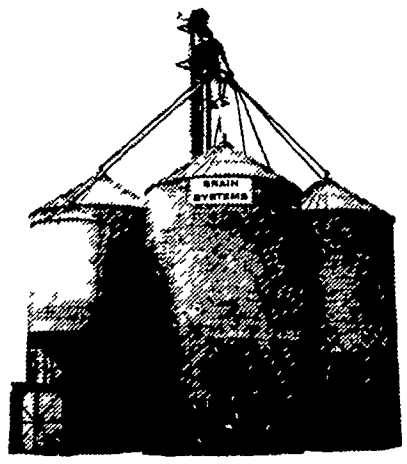

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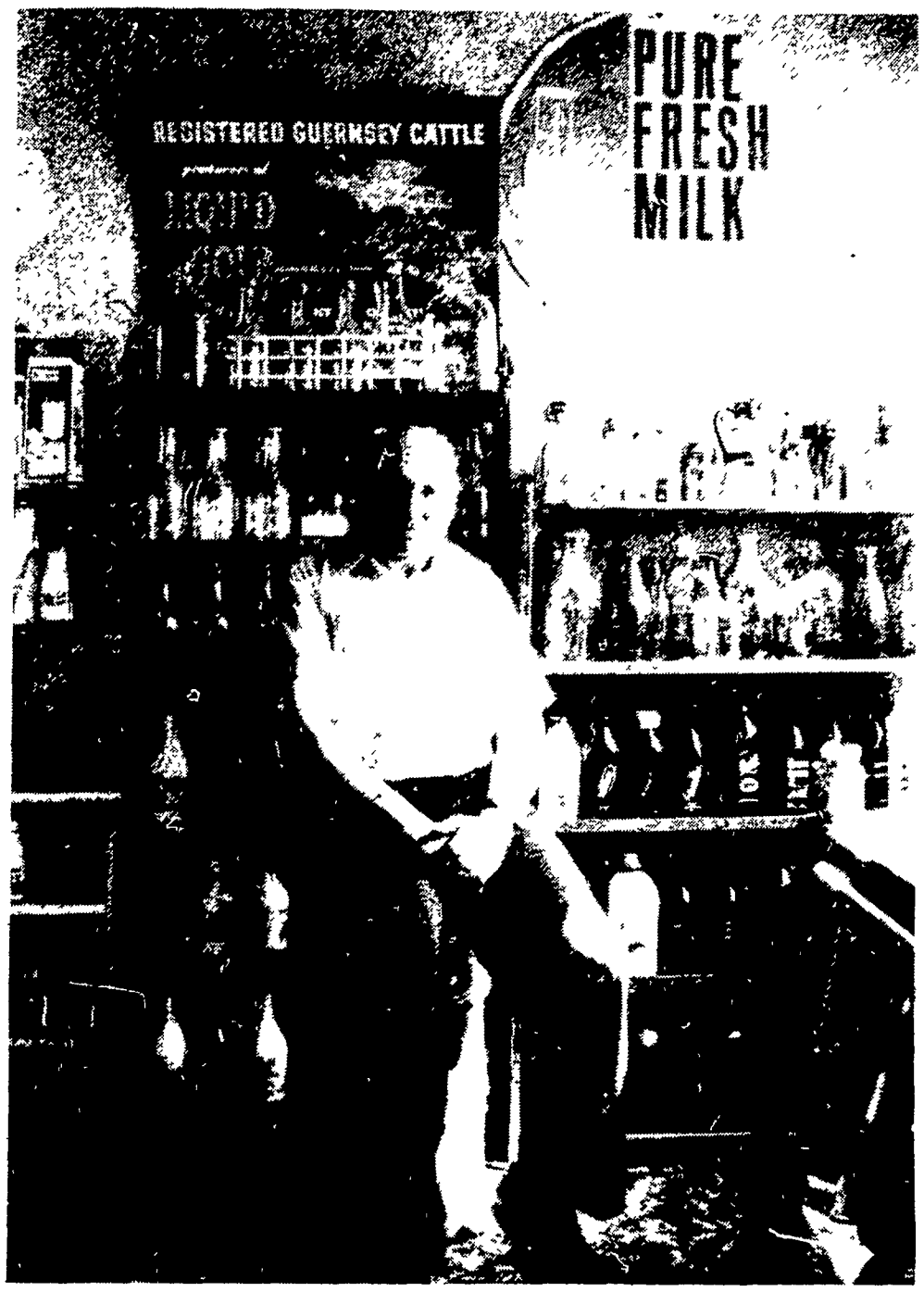
Dairy history

(Continued from Page 105)

was given away as promotional material. Bottles and cartons, like today, were disposed of.

A former FFA'er and 4-H member, Ayars thinks of his hobby as a small contribution towards keeping old memories of the dairy industry before the public. It's in his home that a milk bottle from 1898 and a Christmas card from a generation ago have found a pernament place of rest. With a foot in the past, and an eye to the future, Ayars works with dedication to promote milk.



Paul Ayars has been collecting milk bottles for eight years. His collection of bottles and related items fill an entire room. He calls it his MOO SEUM.

Full-season drilled soybeans popular

NEWARK, Del. -- Agricultural research has transformed one of the oldest soybean-growing techniques into one of the latest trends. Full-season drilled soybeans are regaining their old popularity in Delaware.

According to Delaware Extension crops specialist Frank Webb, drilled soybeans were used many years ago when the crop was first introduced. The primary idea at that time was to try to obtain a good soybean foliage cover over the ground in order to reduce week populations. Herbicides weren't yet available for weed control, so farmers had to rely on canopy or shade techniques to try to reduce weed seed germination.

As time passed, Delaware farmers switched to row soybeans in order to cultivate out the weeds. Through many years of development, there is now an arsenal of weed control chemicals for use on soybeans. And it's these chemicals that are responsible for the renewed interest in drilled soybeans.

With the herbicides people have today, Webb says, the technique of drilled beans is probably the best it has ever been.

For best results with drilled soybeans, one should use narrow rows, the specialist advises. Research at the University of Delaware has shown yield increases of five to 15 per cent when growers narrow their soybean rows from 30 or 36 inches down to seven.

One should avoid fields that are heavily infested with weeds for full-season drilled soybeans, Webb advises. Although today's weed-control products for soybeans are fairly good, they can't yet match the record of the chemicals available for field corn, which can give almost perfect weed control. It's best to attempt drilled beans only in fields that are relatively weed-free.

Soybean population is also important. With many of the long-season varieties such as York and Essex, overplanting actually reduces yields.

On seven-inch drilled soybeans, there should be two to three plants per foot of row. This allows the plants plenty of room to branch out and produce the highest potential possible under the environmental conditions.

To assure grass control, Webb suggests pre-plant incorporation of a grass control chemical such as Treflan, Tolban, Vernam, or Basalin, or a light incorporation of Lasso. On heavier loam and silt loam soils, one can combine one of these chemicals with Sencor or Lexone, and pre-plant incorporate for both grass and braodleaf weed control.

Sencor and Lexone (two trade names for the same chemical) can't be used on light sandy soils of less than one per cent organic matter. On these soils Webb recommends a pre-emergence spray after planting of Lorox for broadleaf weed control.

If a broadleaf weed problem develops, especially from deep-seeded broadleaf weeds such as morning glory, jimsonweed, velvetleaf, or cocklebur, there are a number of products that can be sprayed on soybeans for post-emergence control. These include Dinitro, Dyanap, Basagran, Tenoran, and several others. A person should read labels to learn particular application methods and specific uses.

If one is thinking of trying full-season drilled soybeans for the first time, Webb recommends starting out with no more than 25 to 40 acres until you get a feel for the cultural practices and herbicides involved. Webb adds that the crop can be successful, with outstanding yields, as long as one takes proper precautions. Most important, one should select chemicals carefully, apply them accurately, at the proper time and in the proper manner. If one needs further advice, contact the Delaware Cooperative Extension Service.

Kiddie page answers

Here are the answers for the scrambled ice cream flavors.

From top to bottom the flavors read: strawberry, peach, raspberry, peanut butter, chocolate chip, fudge, peppermint, cherry, blueberry, vanilla, pumpkin, and chocolate.

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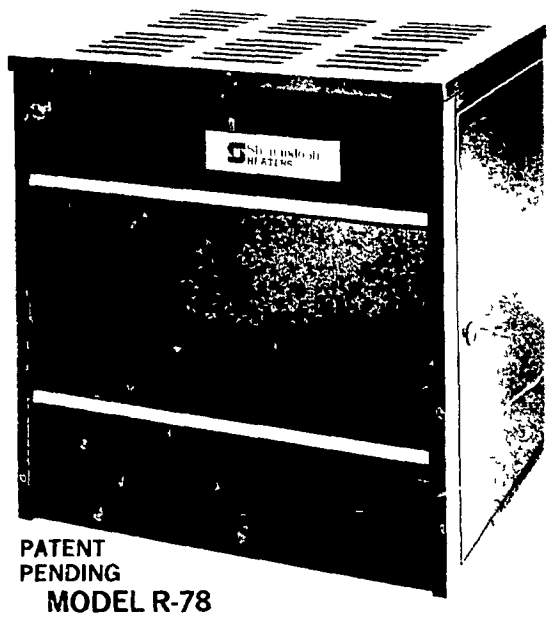

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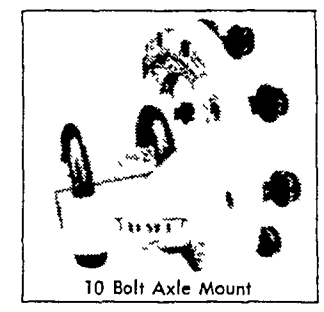

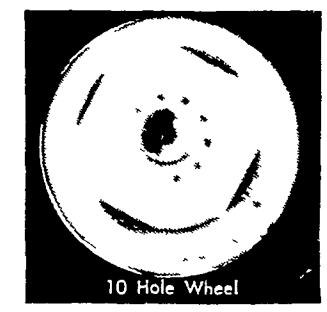

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Sinking Springs Holstein herd

Herman Stebbins' office displays a variety of awards honoring the well-known Sinking Springs herd. Even the desk lampshade is hung with ribbons awarded for high butterfat averages.

(Continued from Page 100)

producers. The "Hilly" cow, for instance, has four daughters whose best records average over one thousand pounds of butterfat. One of her sons currently in stud carries a thousand-plus points on his sire proof data.

There's also the Jewel family, tracing back to a daughter of the Lucifer Jewel sire, with almost 20 descended animals in the herd. Several are scored Excellent, one 2E with three lactation records over one thousand pounds of fat.

Another Stebbins favorite was an Ivanhoe daughter named "Margo," also scored 2E-92 Although she produced six daughters, only three presently remain in the milking line-up. One is scored 2E-92, four are Very Good and one is Good Plus.

Linebreeding of the Osborndale Ivanhoe bloodlines continues today in the Sinking Springs herd.

"We try to use the right bull for the right cow, not necessarily the highest PD (predicted difference) sires," is Stebbins cattle breeding philosophy. He worries that too many breeders today are automatically using high PD bulls, regardless of how the resulting offspring look.

Stebbins attributes the current popularity of high PD sires to trends within the industry that have made almost any young bull with less than a thousand-plus proof "not too salable for stud purposes."

"Everyone is trying to produce more milk," relates Stebbins. "Industry demands and advertising promotes that we go with these present breeding trends."

Sinking Springs fine cattle have captured worldwide fame for the York herd. Bulls for artificial breeding use are in Germany, France, Italy, Hungary, Bulgaria, Brazel, Columbia, and Ecuador. A number of cows, as well as some heifers and calves, have also been exported to South American countries.

Following up on some of the export cattle, Stebbins has been able to visit in some of the South American farms where the animals have become foundation stock.

"Reverse silos" are one custom there that particularly fascinated the farm manager. The deep pits are dug into the ground and filled with grass silage. Although unloading machinery is becoming more familiar, baskets filled by hand and hauled up to ground level with ropes still move considerable quantities of feed from the in-ground storage.

The most modern South American dairymen are switching to grain feeding, instead of the traditional all-grass cattle diets. Availability of new machinery developments have also introduced hay baling and ensiling corn into their farming practices.

Continued export of cattle from the United States, Stebbins feels, will largely depend on the governments of the receiving countries.

It's been a market on the upswing, with semen from popular American sires also an in-demand worldwide trade item.

"A good dairyman can always make a living," Stebbins predicts as he considers the future of the farming industry. "Higher beef prices are one bright spot right now."

But the biggest obstacle, he says, is one that is ages old: breeding difficulties.

"We need more research to help in heat detection," he insists. "It's been my dream that some scientist will develop a mechanical heat detector for cows that will work as efficiently and dependably as does nature. We ought to have the technology and be smart enough to come up with a solution to heat detection."

Another technological dream that has now become a reality at Sinking Springs is the process of embryo transplanting.

In February, 10 fertilized eggs were taken from the herd's "Jewel" cow, a daughter of Romandale Dividend Performer. The eggs were transplanted into recipient heifers, five of which have been found safe with calf

"This is our first experience in embryo transplanting; so far we're satisfied with the way the procedure is working," Stebbins says.

Patience is the name of the embryo-transplant game and the results of this modern miracle of agriculture research won't be seen at Sinking Springs for several more months.

The next logical step in cattle breeding technology, Stebbins feels, will be the regular freezing and non-surgical transplanting of embryos. When perfected, this procedure promises to open even greater possibilities of upgrading cattle around the world.

Stebbins is assisted in the management of the dairy cattle by herdsman Dennis Kauffman. And, for the past six years, he's filled another role in addition to that of farm manager for the York operation. As president of the board of directors of the Lancaster-based Atlantic Breeders Cooperative, Stebbins is an enthusiastic promoter of the cooperative programs.

"People should be happy about what they're doing," reflects Stebbins. "I like what I'm doing; getting up in the morning and going out to work with the cattle has always been a great challenge.

That's what success is all about – in dairying – or any other way of life.

Berks County dairy Expo set

READING – According to Donald Duncan, representing the Berks County Dairy Farmers Association, there will be a dairy and agricultural Expo at the Berkshire Mall during the week of June 12. Highlight of the week will be a pageant and banquet which will be the night of June 17.

The Expo is supported by the dairy farmers who are part of the program. Eight girls will be competing for the title of Berks County Dairy Princess.

Tickets to the banquet can be obtained from Leon Kirkoff, Bernville. Phone number is 215-488-6427.

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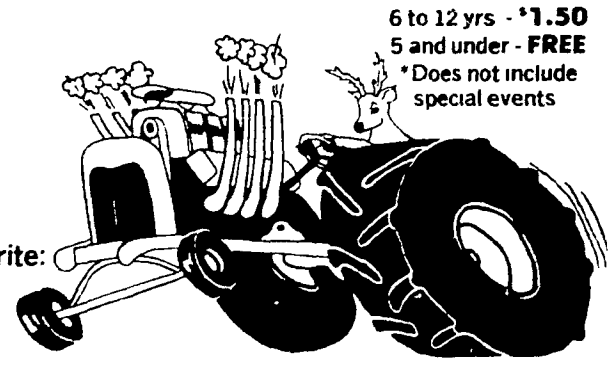


SEE YOU AT THE BUCK!

In Ayrshire herd

Success credited to 'consistency' of operation

By KENDACE BORRY

ELIZABETHTOWN – An impressive list of awards and honors belongs to the Ayrshire cattle owned by the Masonic Home at Elizabethtown, Pa. Included in the list is the French Trophy, given to the highest national ranking Ayrshire herd and the 13th constructive Breeders Award presented for the year 1977.

What makes this Ayrshire herd outstanding? The 224 purebred cattle are handled with a system that entails accuracy, consistency, and tender loving care according to Farm Manager Horace Mann and Assistant Farm Manager, Barney Wilson, who is in charge of dairy.

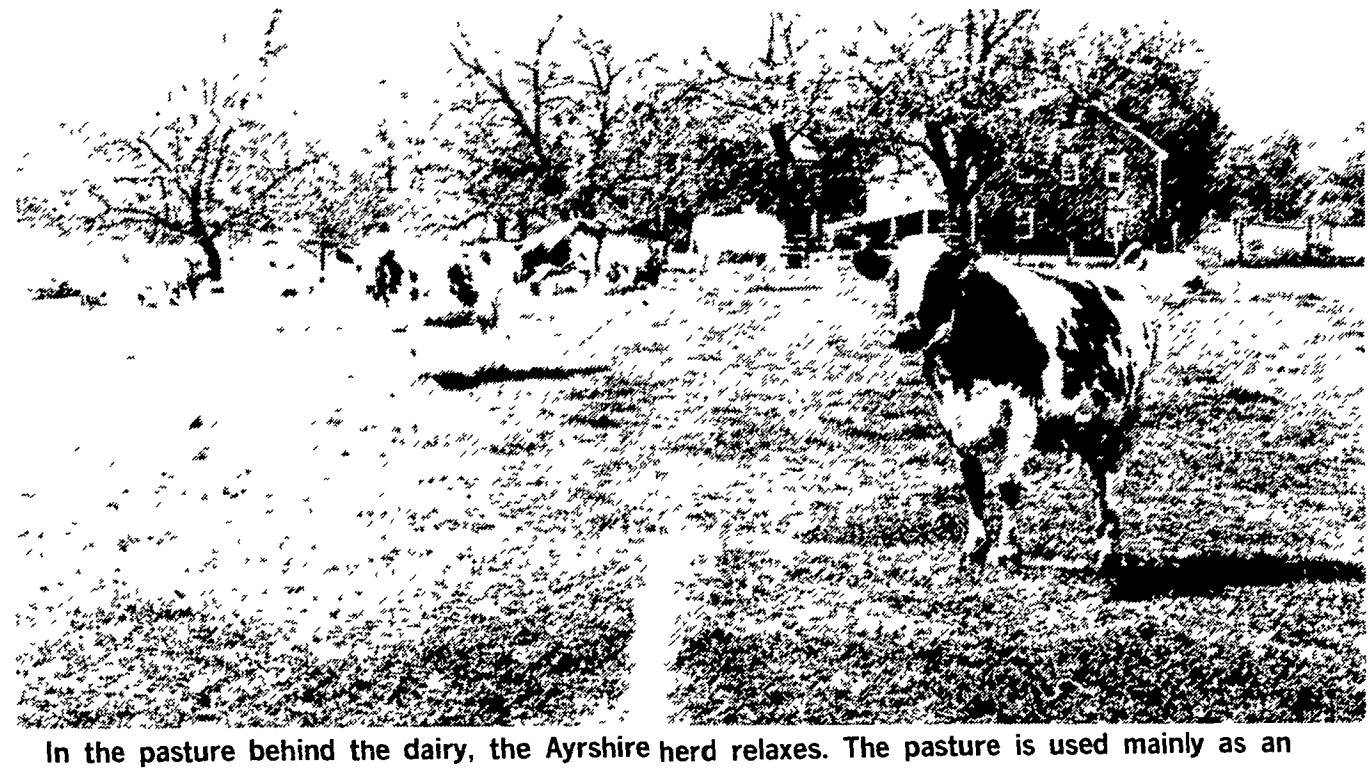
Many years ago, some Ayrshires from Scotland were donated by a Mason to the farm. Since then the herd has been constantly growing and improving. And today, approximately 95 per cent of the herd can trace their roots back to those original cattle.

All the milk cows, and usually there are about 120 being milked, are kept in a free stall barn. Milking times are 4:30 a.m. and 2:45 p.m. and lasts for about two hours.

The milking takes place in a stanchion barn with a pipeline system. The cattle are divided into two groups because of the number of stanchions available, and of note, thought Wilson, was the fact that there are 43 first calf heifers in the milking herd now.

The herd is classified at 85.6 per cent with 14,207 lbs. butterfat. Their breeder award was given for cows being bred by the owner having superior milk production and body confirmation.

The calves stay with their mothers three or four days in the Masonic operation and then are moved to the calf pens. They are fed on milk until they are three months old. Milk replacer is not used in the feeding program.



In the pasture behind the dairy, the Ayrshire herd relaxes. The pasture is used mainly as an exercise lot.

Then the calves are fed on calf starter and also put on haylage, along with being given a free choice of hay. Haylage is very important for the growth of calves, according to Wilson, haylage "will grow a calf out".

Approximately 50 heifers are born a year and the Homes keeps about 40 to 45 of them. The remaining few are sold as either FFA and 4-H projects or consigned to Ayrshire sales.

One young cow from the Masonic Homes was just sold recently that will go to the state of Washington. The buyer saw her, liked what he saw, according to farm manager Mann, and bought her to show.

Dairy manager Wilson works with the cows personally and as he moves through the herd, the care he takes shows. The cows all recognize him and follow

(Turn to Page 121)

In the maternity ward, a cow stands protectively over her new calf. Calves are kept with their mothers until they are three or four days old.

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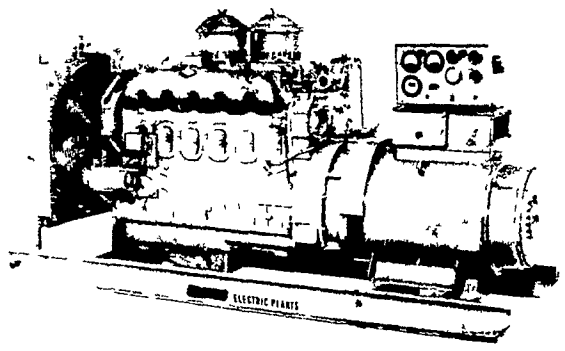

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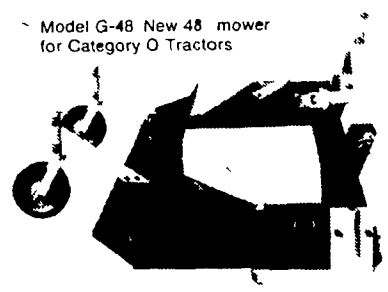

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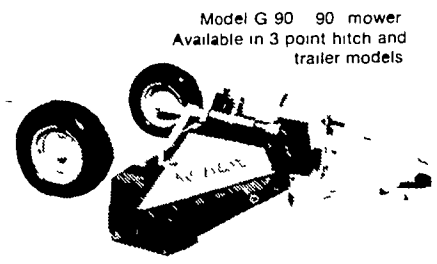

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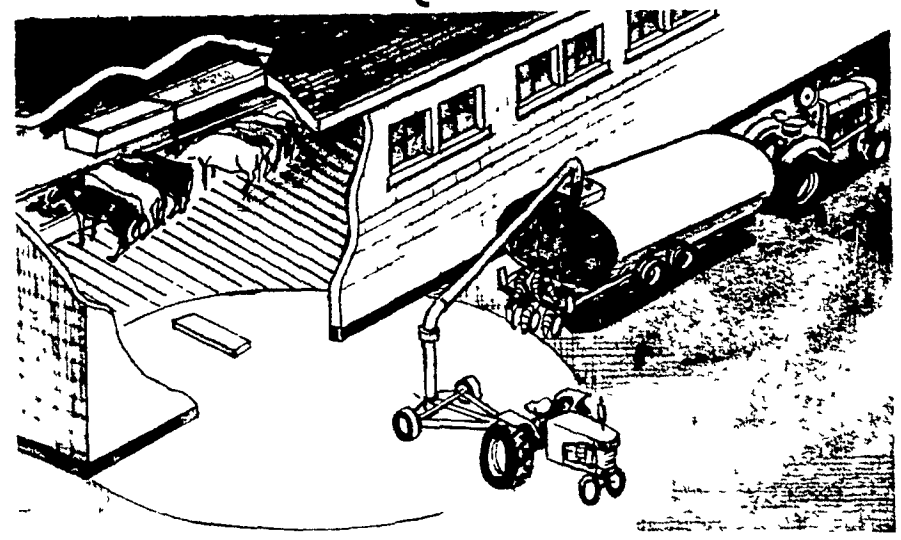

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She's 'liberated' being a farm wife

By SALLY BAIR
Staff Writer

ONO – "I'm as liberated as a woman could want to be," Mrs. John D. Bomgardner says proudly. Margaret Bomgardner is a very involved farm wife who is content with being a wife and mother - and an active partner in the farming operation at Ono in Lebanon County.

In explaining her "liberation", Parc, as she is known to family and friends, says. "I'm a wife, I'm a mother, I handle tractors and their equipment, I'm a midwife, I'm a gardner. I'm a nurse." And the list could go on and on. She says, "I think women could all be liberated if they would do what they are meant to do."

Margaret is very contented to be the best wife and mother she knows how to be. She feels strongly that she wouldn't want to be raising her six children anywhere but on a farm.

"They are closer to nature and get to see the animals. They grow up quicker mentally and they learn to know what to expect out of life. They also learn responsibility." The Bomgardner children are Jere, 13; Nelson, 11; Kynel, 6; Cori, 4; Kevin, 2; and Jesse, four months.

She is honest in saying there are times she doesn't like being on a farm: "for a while I didn't like going into debt, and I don't like being tied down all the time." But on balance, she wouldn't like to live her life much differently.

Although she did not grow up on a farm, she is completely at home in the fields and in the barn. John remarks proudly that she does all the baling herself, and loads all the bales on the elevator for him. She laughingly tells of her first experience with baling, when there were many sheared pins, but since then she's come a long way. She has learned to plough and prepare fields for planting, and she can help with the harvest in almost any way, including unloading the wagons to keep the harvest moving along smoothly. She said the only field work she doesn't do is planting corn and spreading manure.

Margaret is currently "on leave" from milking cows because Jesse needs her attention, but she can usually be found there both morning and evening. She said that after spending the Winter in the house, she is ready to get out and milk cows and work in the fields

The Bomgardners have lived on their 113-acre farm for 10 years, and are milking about 43 Holsteins Their DHIR test is about 16,100 pounds of milk. They joke about the early days at farming when John didn't want anyone helping with the milking; he preferred doing it himself. Times are a little busier now, and he welcomes Margaret's help - she's obviously learned her job well. The children are also becoming more and more involved in the milking and other farm chores.

The farm name and prefix is "Loving Meadows", a name that Margaret helped John select before they were married. The Bomgardners were in the same class at Annville-Cleona High School and were members of the same church. They presently attend the Manada Gap Full Gospel Mission,

Helping with the daily milking is a chore that Margaret Bomgardner has come to look forward to.

where the two oldest sons are active in the Royal Rangers which is similar to Boy Scouts.

Margaret says she thinks family farms can be successful in the future, but she laments the number of people who are in farming for quantity, not for the quality.

"They want to commercialize it too much," she says. She is also concerned about losing farmland and the problems which housing in the country brings. "City people want to come to the country, but they don't want the country air and the corn husks."

The Bomgardners are members of the Holstein Club, the Pennsylvania Farmers Association, and ship milk to Eastern Milk Producers Cooperative. John works closely as a leader with the 4-H dairy club and the Lebanon County Fair. As Margaret talks of his activities, she says part of her job is making it possible for him to attend meetings.

She doesn't drive, but she said it doesn't bother her because she likes being at home, especially when the children return home from school. When she can, she likes to play with them and share their outside activities. She makes it clear that she enjoys being a mother and wants to be around the home to care for their needs.

In small amount of spare time she finds, Margaret said she enjoys "sitting in a corner and reading". She does a lot of home canning and freezing (from her own garden), and likes to bake. She even decorates an occasional birthday cake. At Christmas time she makes opera fudge and chocolate covered cherries.

She said her family supports the dairy industry in their own way - her family uses three gallons of milk a day.

"It is not unusual for them to drink a gallon of milk at one meal. We also like ice cream, cheese, and cream cheese, and we buy butter by the case."

Margaret uses many dairy products in her cooking, and shares the following two recipes·

VANILLA ICE CREAM

5 eggs
2½ cups sugar
5 cups milk
1 quart heavy cream
2 Tablespoons vanilla
½ teaspoon salt

Beat eggs until light and fluffy. Gradually add sugar and continue beating until mixture is stiff. Add remaining ingredients and mix thoroughly. Pour into one gallon freezer can and freeze. Use favorite toppings.

SKY IN THE PIE

Combine:
8 ounces cream cheese
¼ cup sugar
½ teaspoon vanilla
Add: 1 egg

Mix well. Spread on bottom of deep nine inch unbaked pastry shell.

Combine
1¼ cup canned or cooked pumpkin
½ cup sugar
1 teaspoon cinnamon
¼ teaspoon ginger
¼ teaspoon nutmeg
Dash of salt

Mix well. Blend in two slightly beaten eggs and one cup evaporated milk. Carefully pour over cheese mixture. Bake at 350 degrees F. for 65 to 70 minutes. Cool.

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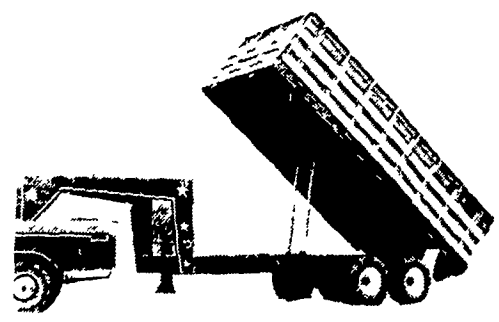

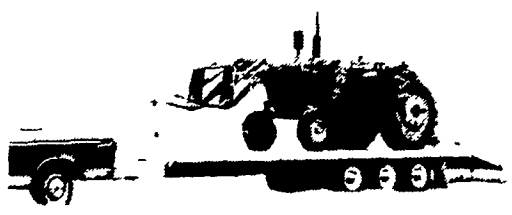

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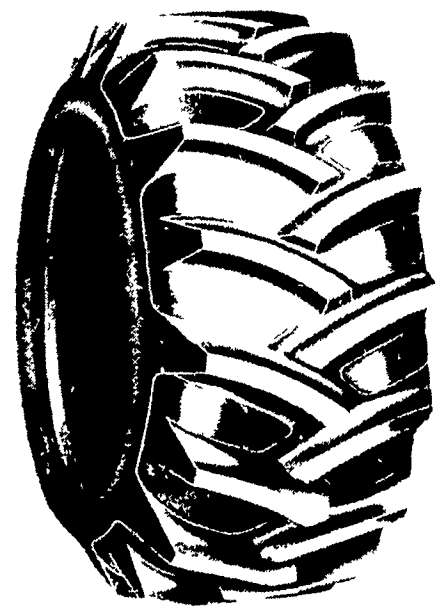

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Barney Wilson, assistant farm manager in charge of the dairy, makes friends with one of the heifers at the calf barn.

Success credited

(Continued from Page 119)

him as he walks through the pasture or barn. As he shows his charges to visitors, his eye is constantly searching for ways to improve his operation.

When looking for a good heifer, he depends on bloodlines and confirmation.

"I look for a sire that will improve a dairy cow when I breed", he stated. "I know the dam and grand-dam of that cow and I want an improved calf."

Consistency is the most important quality that Mann places on the dairy operation

"We're improving each year," he noted "We now have 17 first calf heifers milking 18,000 lbs., which is high for Ayrshires"

And Wilson stressed the practical side of the operation.

"The breeding program and sire selection adds a lot," he explained. "That and the care, feeding, and whole management program is what makes it a success"

What tender loving care? The barns are checked every night. Wilson believes that the calves are treated better than some children.

"I won't stand for a cow to be beat," the dairyman added

He wants the milking done right, gently, which he relates will increase the milk production

And the feed is made at a local mill using the Homes own corn Haylage, corn, hay, and silage are fed to the cattle year round

The cattle all have their feet trimmed twice a year. The effort is worth it, the men agreed, if it saves one cow.

Cattle are vaccinated twice a year, blood tested every year, and certified brucellosis free. There has never been any instances of TB in the history of the herd.

The dairy crew consists of a five man crew under the direction of Wilson who is in his 24th year of work. There are also an additional two-men, who work on the farm, that produce the crops for the dairy

Not only dairy cattle, but beef, hogs, chickens, eggs, fruit, vegetables, and other products are raised on the 1600 acres of the Masonic Farm The function of the farm is to produce commodities for the guests who live there and the labor and farm equipment is utilized in that direction

"It's pretty much self-sustaining," Mann noted. "The milk from the cows is sold to the Harrisburg Dairies and then bought back in processed form."

All in all, the operation flows smoothly, with personal management that relates itself to what is happening in its barns.

"It's care, feed, and breeding that makes a good dairy herd," the two managers agreed. And while the list of achievements may be long behind them, it is the horizons ahead that beckon them forward in their jobs

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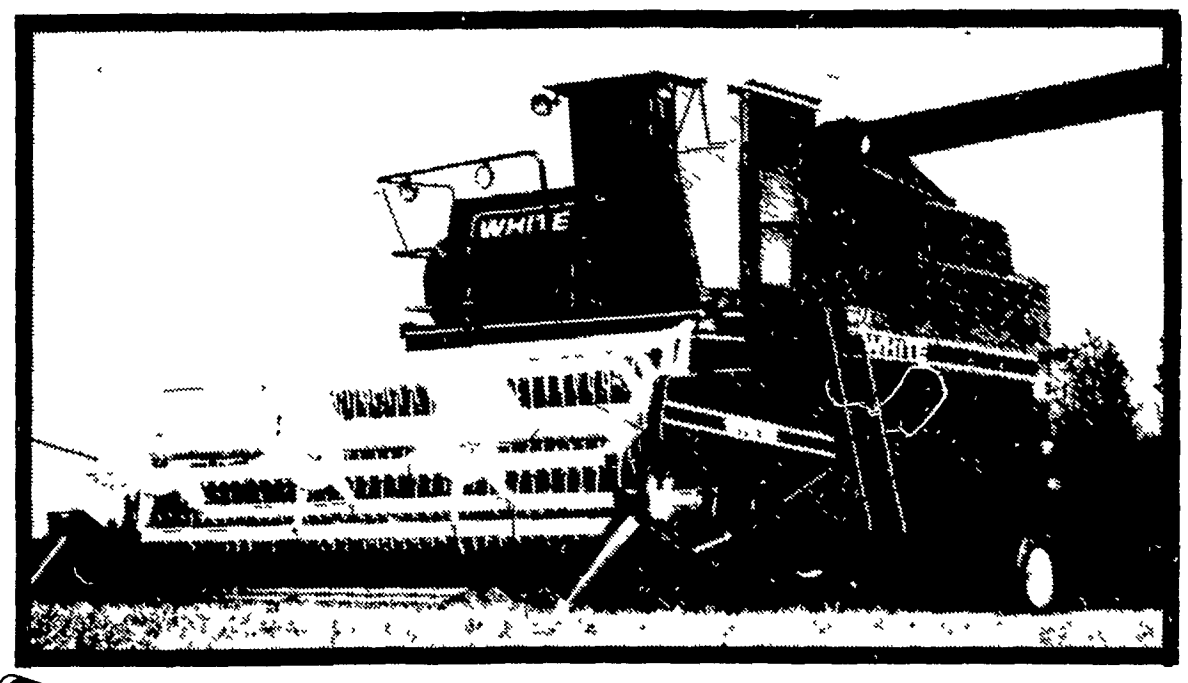

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Milk's taste is unchanged by modern pasteurization

ROSEMONT, ILL. – Since the turn of the century, cow's milk has been pasteurized to destroy micro-organisms which lead to spoilage and which can cause disease. Today, pasteurization is almost universally recognized as a method to ensure a safe, nutritious supply of milk.

Pasteurization refers to a process by which milk is heated to a certain temperature for a specified length of time, most commonly 160° to 165°- Fahrenheit for 20 seconds. The milk is rapidly brought to the higher temperature, held there, and then rapidly cooled. The process successfully kills most harmful bacteria, prolongs shelf life, maintains the milk's nutrient profile, and does not adversely affect taste. More than 98 per cent of all milk in the U.S. is now pasteurized.

The cost of pasteurization is miniscule, a fraction of a cent per quart. And modern processes develop no "off" flavors. Numerous experiments have shown only slight differences in the digestibility of "raw" and pasteurized milk by infants - and those differences were in favor of the pasteurized product.

Of the several vitamins present in milk, only two – thiamin and vitamin C – are materially reduced by pasteurization. Other nutrients of milk – calcium, protein, B vitamins, vitamin A, and other minerals – are not adversely affected. Moreover, vitamin D is regularly added to pasteurized milk, whereas this is not the case with "raw" milk.

The United States Department of Agriculture and virtually all medical and scientific organizations and health authorities strongly support the pasteurization of milk. There appear to be no viable reasons for consuming "raw" milk. Any alleged nutritional benefits of raw milk are far outweighed by the proven public health benefits of pasteurized milk.

Today, there is increasing interest in "ultrapasteurized" milk – heated to 280° Fahrenheit for at least two seconds When combined the aseptic packaging, the product is sterile and will store for extended periods of time without refrigeration. Such milk is not currently marketed in the U.S., but research is intensifying in this area and such a product will no doubt enter the market place.

Ultrapasteurized and sterile milks are marketed in Europe. Current available information indicates that the ultrapasteurized milk is an nutritious as its pasteurized counterpart

Increased popularity

(Continued from Page 99)

show consumption increased steadily over the past 20 years.

Total sales in 1976 were estimated at 510 million pounds. Expanded introductions of soft serve and frozen yogurt in 1977 speeded up growth of the total market.

Consumption doubled between 1972 and 1977. What likely is happening is that people are moving up the frequency scale, notch by notch over time. For example, they're moving from the "never" eater category to "light" eater, to various stages of "heavy" eater. And within the "heavy" eater categories they are moving not only from category to category, but to increased frequency within categories - such as from two times a week to five times a week.

Trends by income groups show that consumers at all income levels have gotten into the act. From the data it appears that lower income groups have begun to eat more yogurt during the past few years, while higher income people have consistently increased consumption.

What about trends by age/sex groups? The data show that teenagers have increased their frequency of consumption the most, that women have outpaced men in most age groups, but that the poorest eaters have done little over time. It appears that the best eaters are getting better, the poor eaters aren't doing much, but nearly all age/sex groups are improving.

What's ahead? According to the UDIA study, the future should hold increased sales. Most of the population still is not well acquainted with the product. Increased usage is being experienced in nearly all market segments, which means the product has a broad base from which to expand.

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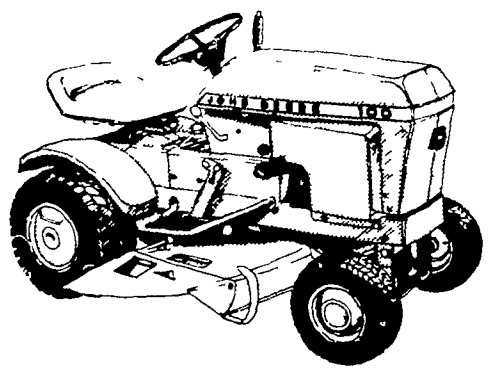

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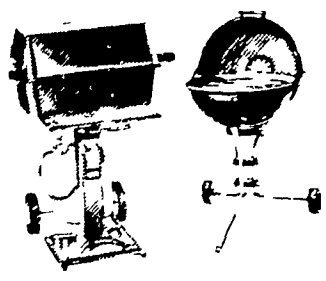

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Ida's Notebook

Ida Risser

June is traditionally a month of weddings and graduations. In the former category, our daughter will be a bridesmaid and our niece is being married in Michigan. But the latter area affects us more personally.

This year Judy graduates from Penn State in Food Science and has a job with Hershey Foods as a food technologist. Philip will graduate from high school and plans to enter Penn State in the Fall and study agricultural engineering.

These activities will be interspersed between the job of picking strawberries and sugar peas, which I'm hoping will produce a bumper crop. Because, believe it or not, I ran out of frozen vegetables a few weeks ago. Guess I gave too many away as Christmas gifts last year.

xxx

Two weeks ago our daughter, who lives in Portland, Ore., visited us for a few days. She had been at an American Thoracic Association meeting in Boston. The night we drove to the Philadelphia Airport to meet her plane, we arrived later than we expected.

Somehow we passed the airport entrance before we realized it and drove several miles before we could turn around and go back. In our travels we discovered where the "remote parking" area is located. It is used by those folks who travel overseas.

Do you have "coffee hounds" in your family. Why not try a Coco-Mocha drink for a change. In a saucepan combine ⅓ cup sugar, ⅓ cup cocoa, 2 tablespoons instant coffee and ½ teaspoon cinnamon; gradually stir in 1 cup milk. Bring mixture to boiling point while stirring constantly. Reduce heat, blend in 3 cups milk. Heat to serving temperature. Top each serving with whipped cream. Yield: approx. 4 cups. What a great way to turn a coffee break into a nutritious drink using your good dairy product - milk. Try it on your city cousins.

The many recent improvements include a large parking garage which is convenient and near the lounges.

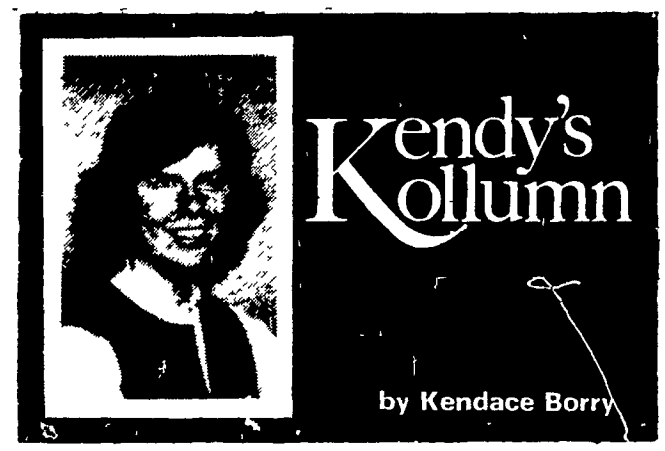
The day after our daughter gets back to the West coast she flys to Seattle to a meeting. And, then a week later the American Nurses Association is sending her to Hawaii to make a 10 minute speech. I told her that I couldn't think of anything important enough to say in 10 minutes to justify sending me on such a long journey. Apparently our young people excel in these areas.

Quick dairy food ideas told

On a chilly day, there's nothing better than a hearty, quick-fix soup for satisfying appetites. Melt ¼ cup (½ stick) butter in a saucepan. Then add ¼ cup chopped onion and 1½ cups shredded carrots. Cover and simmer 10 to 15 minutes. Stir in 1 can (10 ½ oz.) condensed cream of potato soup, 2 cups milk, ½ teaspoon salt, ¼ teaspoon celery salt and pepper to taste. Heat to serving temperature and fill the bowls. Pass bread or crackers with butter.

Living on a dairy farm with all its activities and work can make a busy day. Maybe your housework gets ahead of you sometimes? If it does, perhaps you can enjoy the ingenuity of the following surburban housewife. A surburban housewife was all set to start housecleaning when her husband came to her in a state of consternation. "Laura", he said, "there are eight men outside with vacuum cleaners, and they all claim they have an appointment for a demonstration! What about it?" "That's right", his wife replied blandly. "Now you just direct them all to different rooms and let them start demonstrating."

Don't forget children need three or more glasses of milk, teens, four or more glasses, adults two or more per day. Remember this is every family's need.



I'll be the first to admit that when it comes to dairy farms I'm as green as grass We never had cows on the farm and the closest I ever got to the placid beasties was when I'd visit a neighbor.

Once I remember walking into a milking barn and remarking to the farmer how organized and well kept everything looked. The man immediately launched into a 45 minute graphic lecture and tour of his facilities, never realizing he had lost me long before he ever got started in his detailed explanation

A few weeks ago, I again felt my stupidity as a friend and I visited a family that had some dairy heifers, the black and white variety

I was trying hard not to act too ignorant about the milking business so my friend wouldn't be embarassed by my dumbness. We were doing okay until he opened his mouth.

"Why are heifers bred?" he asked.

If I ever hope to learn the dairy operation, I think I hang around the wrong type of people.

Tax law favors co-ops on handling of losses

WASHINGTON, D.C. – The U.S. Tax Court has rejected another attempt by the Internal Revenue Service to tell farmers how to run their cooperatives. The court held that cooperatives may: have losses on patronage business for federal tax purposes; may offset that loss against other income of the year in question; and may carry the balance backward and forward to offset taxable income in past and future years. The decision provides a counterbalance to the narrow interpretation IRS had of cooperative operations at cost. It also restricts an IRS theory that any shortfall of cooperative earnings to cover expenses in a given activity must be recovered from patrons of that activity.

Milk supply drops

WASHINGTON, D.C. – USDA reports April milk production totaled 10.7 billion pounds - down less than one per cent from year ago. Average production per cow was 982 pounds - six pounds more than a year earlier. Milk cows were estimated at 10.9 million head - off one per cent from last year The April milk-feed ration was 1.62 - down from 1.68 in March.

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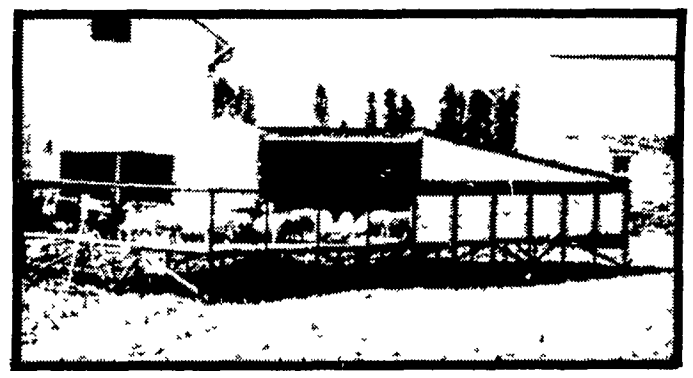

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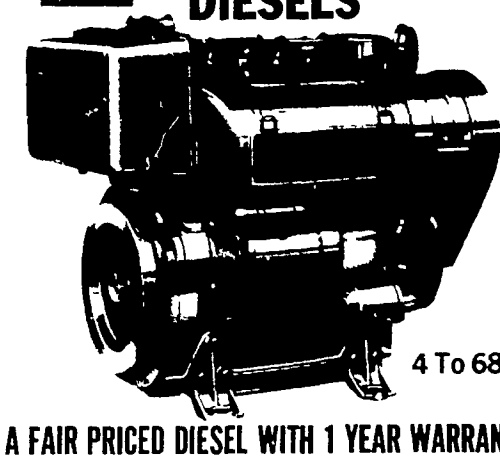

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Mastitis control economically sound says vet

UNIVERSITY PARK – "There is not more important job on the farm than milking," Dr. Larry J. Hutchinson told dairymen attending the Dairy Herd Management Conference held in March at The Pennsylvania State University. Hutchinson is in the Department of Veterinary Science Extension at Penn State.

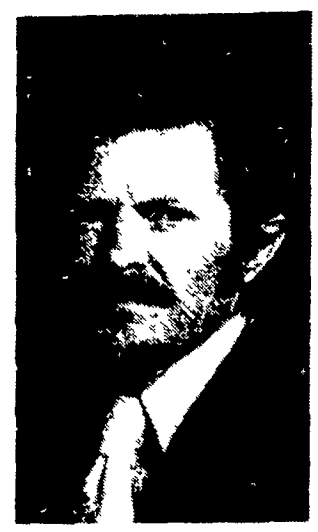
Economically it makes sense to control mastitis, Hutchinson said, and in a large herd the potential for more mastitis problems is greater. In larger herds more than one person is doing the milking, and the milking system is more complex and more difficult to maintain Furthermore, there is little time for the "Problem" cow.

Hutchinson said a standardized milking procedure can go a long way in preventing mastitis problems. "All operators should be taught to look for early warning signs of mastitis They should be cognizent of a visible drop in the amount of milk and in teat end damage.

Mastitis is caused by bacteria in the udder, Hutchinson noted, and most is caused by contagious bacteria which stays in the udder even when not actively flaring up. "It is good economics to control mastitis, even where there is no 'hot' quarter. He noted that clinical cases of mastitis can cause big economic loses which can be "devastating."

Another important control Hutchinson recommended, is a regular evaluation of the milking system. A person

Steven Spencer



Larry Hutchinson

with proper training should check the system at least twice annually.

The somatic cell program is one way of keeping a check on the herd, and Hutchinson said bulk tank counts of 300,000 to 500,000 are not unattainable.

"It is economically worth shooting for," he stated.

He said high somatic cell counts indicate problems even when the milk looks normal, because this shows the presence of subclinical cases of mastitis.

Hutchinson suggested teat dipping as one control measure that has been proven effective in field studies. New infections can be reduced, he said, by using teat dip regularly.

In a large number of cases, Hutchinson said the treatment of dry cows works. Cows can be successfully treated at the time of the last milking.

Environmental concerns also figure into an effective management program to control mastitis. Hutchinson urged that bedding be kept dry, and that udders be washed and dried at every milking.

In large herds, Hutchinson said there is less room for management errors. A sound mastitis program should be given major emphasis because the prevention of mastitis is important for any program to be successful.

Steven Spencer, dairy science Extension, agreed with Hutchinson about the economic importance of a good milking program. He said, "Profits happen at milking time."

Spencer noted that no milking machine company has the corner on the best piece of equipment. He said, "There is no substitute for service and the competency of dealerships."

Spencer advised the dairymen, "Find the best man to run the highly automated milking equipment. Automatic take-offs don't replace a good milker."

What dairymen need, Spencer said, is good equipment which is properly installed and used. Maintenance is an important part of the management program in dealing with machines Any checking of the equipment should be done at milking time and not between chores, Spencer suggested.

Spencer cautioned dairymen to avoid "fads" in milking equipment, and get equipment that best suits individual needs.

"Go see different kinds of equipment" before making the final choice, he said.

Milk protein pricing favored

CAMP HILL – Pennsylvania Farmers Association policy recommends milk pricing based on solids - not fat Three Wisconsin cooperatives are now paying premium for milk with more than 3.2 per cent protein. The Wisconsin Agriculture Department is recommending cooperatives use differential method and deduct for milk under 3.2 per cent protein, as well. The main accomplishment, so far, for cooperatives paying protein premiums is stealing producers with high solids milk from other cooperatives, says PFA.

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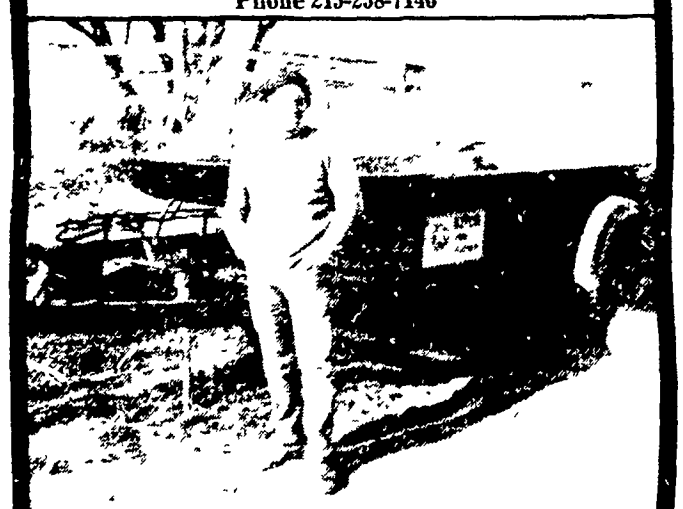

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The more you compare, the better the Meyer's spreader looks. Cary Plushanski, son of Mr. & Mrs. Charles Plushanski of Kutztown, Pa. is shown with a new Meyer's 225 bu spreader After comparing other makes of spreaders, Charles liked several features on the Meyer's that other spreaders don't provide

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Above is Norman Schnetzer of RD 1, Asbury, New Jersey with a new Meyers Forage Wagon Mr Schnetzer remarked how smooth the Meyers runs compared to the other makes he has

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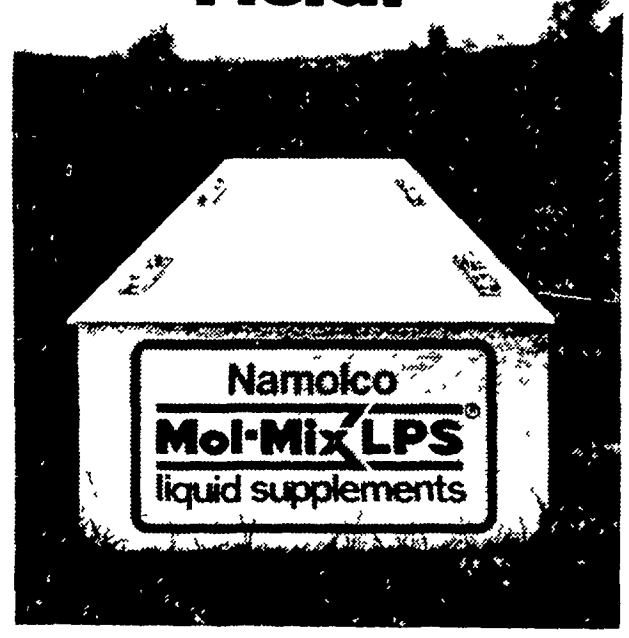

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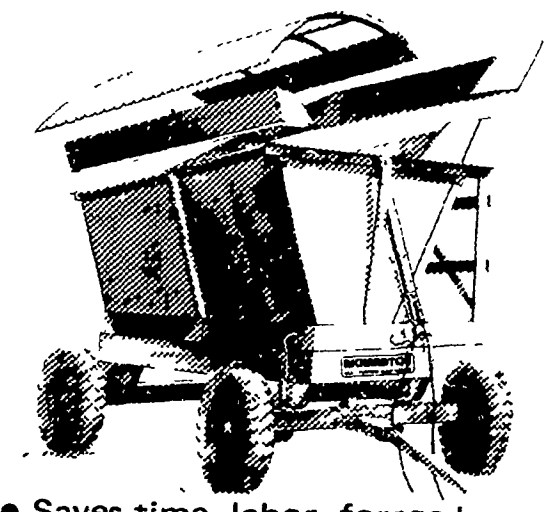

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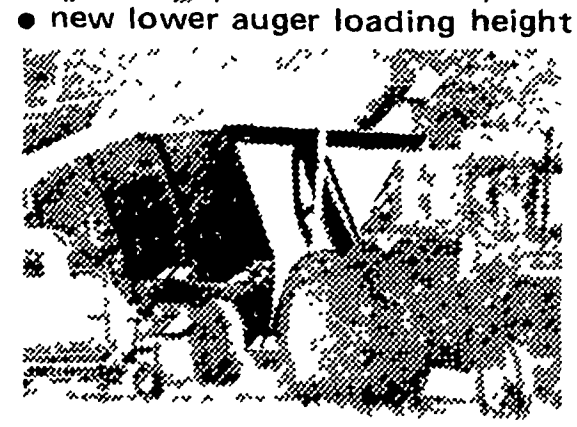

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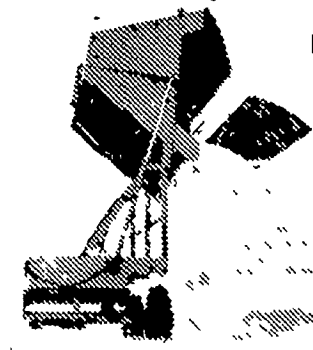

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Chester County DHIA Monthly Report

APRIL 1978

Donald Hostetter, Jr. has the honor of having the high producing cow in Chester County's DHIA program for lactations completed in April. His "Violet," an 8-year old registered Holstein, produced 27,679 pounds of milk with a 3.8 per cent test and 1059 pounds of butterfat in 305 days.

The high herd average for the month was recorded by Kenneth Morgan, whose eight cows averaged 67.2 pounds of milk and 2.38 pounds of butterfat.

OWNER BREED	NO COWS	% DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Kenneth L. Morgan	8.0	101.6	67.2	3.5	2.38
George P. Lamborn 3	39.8	91.3	63.1	3.7	2.35
Robert E. Pepple 3	67.8	95.5	57.2	3.9	2.22
Paul M. Snader B8	29.0	92.3	56.2	3.9	2.18
Louis C. Neyman G8	34.5	96.4	53.7	4.0	2.14
Jacob K. Stoltzfus 3	52.7	93.6	51.4	4 2	2.14
John S. Stoltzfus 3	60.3	92.0	52.5	4.0	2.11
J. Elmer Lapp 3	36.0	92.8	52.6	4.0	2.11
Melvin S. Stoltzfus B3	35.0	96.2	50.3	4.2	2.10
John M. Umble 3	40.4	92.8	54.9	3.8	2.09
Kulp Bros. G3	85.2	95.9	50.5	4.1	2.06
Ben S. Beiler 3	45.4	87.7	54.5	3.8	2.05
Vernon C. Ruth 3	46.1	91.3	49.7	4.1	2.03
Timothy Kauffman 3	46.0	92 0	52.7	3.8	2.01
Lloyd Mast & Sons B3	79.4	95.4	51.0	3.9	2.01
Merle J. King B3	77.6	90.4	51.1	3.9	2.01
Donald Hostetter, Jr. 3	74.0	97.4	53.6	3.7	2.00
J. Harold Bare B3	55.0	93.1	48.7	4.1	1.99
Mast Stoltzfus B3	47.2	90.4	50.8	3.9	1.98
Round Top Farm B3	73.3	93.2	53.2	3.7	1.97
Jonas Z. King B3	35.4	96.2	52.1	3.8	1.97
Newton Evans, Jr. 3	81.6	88.3	52.7	3.7	1.95
Donald Hostetter, Jr. 3	77.1	93.6	52.7	3.7	1.95
Ardrossan Farms 8	114.4	86.8	47.9	4.1	1.94
Harold Umble 3	40.1	33.1	46.8	4.1	1.92
Leon D. Kurtz 3	30.2	84.9	47.6	4.0	1.91
Ardrossan Farms 8	117.1	83.0	45.9	4.2	1.91
Omer S. Smoker B3	80.5	93.5	50.4	3.8	1.89
Vernon Guest & Son B3	58.9	91.6	48.2	3.9	1.89
Richard Proud B3	53.0	95.7	49.0	3.8	1.88
Walmoore #1 B3	139.3	98.2	46.9	4.0	1.87
Harry Freese & Son B3	52.6	89.8	48.0	3.9	1.87
Willowland Farm 3	55.7	91.9	47.7	3.9	1.86
Christ L. Stoltzfus B3	51.6	90.1	48.5	3.8	1.86
John S. Smoker B3	34.8	86.1	48.4	3.8	1.85
Elam Petersheim B3	64.6	88.7	47.4	3.9	1.84
Kauffman Bros. 3	61.8	88.9	50.2	3.7	1.84
S.R. & M.J. Matthews B3	22.9	89.0	48.3	3.8	1.84
J. Raymond Harnish B8	79.0	86.5	46.8	3.9	1.82
Allen S. Hoover B3	132.2	93.4	53.1	3.4	1.82
Richard L. Breckbill B3	71.5	93.5	47.1	3.9	1.82
Harold R. Kulp B8	91.7	97.9	48.1	3.8	1.81
Dean Roland B8	72.6	84.5	42.7	4.2	1.81
Charles J. Moore B8	47.2	90.5	46.9	3.9	1.81
Landis S. Reid B3	66.6	91.5	52.3	3.4	1.79
David Windle B3	40.6	76.5	48.2	3.7	1.78
Mildred Seeds 4	12.0	98.9	35.7	5.0	1.78
Walmoore B3	138.8	90.6	46.1	3.8	1.77
Kimberton Farm School, Inc. 2	67.8	84.9	37.4	4.7	1.76
James V. Yale B3	64.8	90.5	43.2	4.1	1.76
Samuel B. Acker B3	191.8	91.5	45.7	3.8	1.75
Harold J. Ranck 3	53.0	94.9	43.6	4.0	1.75
Donald M. Horning G3	29.0	93.1	43.9	4.0	1.74
Leon D. Kurtz 3	33.4	85.2	43.0	4.0	1.73
Ronald F. Elliott B3	64.0	98.0	45.7	3.8	1.73
Harvey C. Waltz B8	79.7	86.2	47.8	3.6	1.73
Henry S. King B3	52.9	92.0	46.7	3.7	1.72
J. Kenneth Landis B3	55.4	89.1	45.2	3.8	1.72
Paul King 3	70.1	92.7	41.7	4.1	1.71
W.B. Dixon Strowd G3	103.8	89.8	43.5	3.9	1.71
Mrs. John B. Hannum, 3rd G3	85.1	87.5	43.3	3.9	1.70
Elvin P. Graybill B3	81.7	96.3	49.7	3.4	1.70
Simon Z. Zook G3	52.0	88.1	42.5	4.0	1.70
H. & R. Mason 3	104.8	93.1	41.1	4.1	1.69
Kenneth J. Roberts B3	19.6	99.7	42.3	4.0	1.69
Floyd Miller G3	53.8	82.9	42.3	4.0	1.68
Rothenberger Bros. B8	124.9	94.6	48.5	3.5	1.68
Joel C. Brown B3	109.1	96.6	43.0	3.9	1.67
John E. Bruner B3	43.7	90.4	41.4	4.1	1.67
John R. Groff B3	45.0	87.1	42.9	3.9	1.67
Elmer A. Mast B8	58.9	88.2	41.7	4.0	1.66

(Turn to Page 126)

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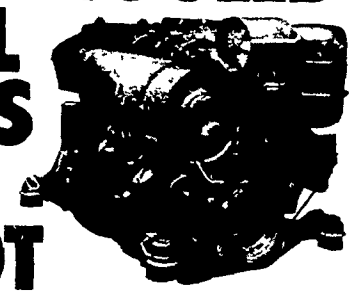

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(Continued from Page 125)

William C. Stoltzfus G3	27.0	96.3	42.3	3.9	1.66
Edgar Miller B3	41.0	94.9	45.0	3.7	1.66
E. Kent High B8	116.3	89.4	41.7	4.0	1.65
Horace Prange B3	48.1	92.3	41.6	3.9	1.64
E. Richard Hoopes B3	47.7	92.1	41.1	4.0	1.64
Dave Lamb B3	17.7	86.8	40.3	4.1	1.64
David Walton B3	49.6	87.9	42.8	3.8	1.63
H.R. & H. L. Brown B3	124.9	94.3	41.0	4.0	1.63
Gettlieb Strohmaier B8	90.8	93.1	39.9	4.1	1.63
Moran & Nickle G3	56.0	89.3	39.3	4.1	1.63
Marsh Acres Farm B3	95.8	84.0	39.7	4.1	1.62
Milton & Joyce Edwards G3	59.0	94.8	42.3	3.8	1.62
Allen S. Hoover B3	127.7	88.3	51.4	3.2	1.62
Hargret Dairy, Inc. B3	44.4	96.1	41.6	3.9	1.62
Dennis Bush B3	114.3	88.2	44.2	3.6	1.61
Benjamin K. Kauffman B3	27.8	90.0	38.0	4.2	1.59
Herman Stoltzfus B8	51.7	84.8	41.2	3.9	1.59
Arthur D. Hershey 3	50.0	85.0	40.4	3.9	1.58
E. Kent High B8	115.3	87.8	39.3	4.0	1.58
Calvin R. Blank B3	50.3	93.4	39.7	4.0	1.58
Donald H. Windle B3	135.4	94.0	40.6	3.9	1.57
Aaron Burkholder B3	40.0	96.1	43.5	3.6	1.57
Paul W. Given B3	34.5	90.6	41.5	3.8	1.56
David Bartram B3	86.1	91.1	39.9	3.9	1.55
William E. Parry & Son B3	216.4	89.6	40.9	3.8	1.55
Robert W. Campbell B3	37.0	83.5	39.1	4.0	1.55

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Donald Hostetter, Jr.						
Violet	3	8-4	305	27,679	3.8	1059
Maiden	3	4-10	305	21,482	3.7	801
Honey	3	7-5	305	22,015	3.4	747
Sugar	3	3-4	305	20,135	3.6	734
Heidi	3	4-4	305	18,371	4.0	728
John S. Stoltzfus						
Leaf	3	4-7	305	21,292	4.7	996
Jacob K. Stoltzfus						
Kim	3	4-5	305	20,038	5.0	996
Allen S. Hoover						
#42	3	7-1	305	18,357	5.1	936
Lloyd Mast & Sons						
#6	3	5-10	305	24,315	3.7	889
#25	3	6-4	305	21,641	4.0	872
#3	3	7-0	292	16,787	4.3	722
Ben S. Beiler						
Mart	3	4-11	305	23,029	3.8	873
Agie	3	8-6	286	19,646	4.0	789
Newton Evans, Jr.						
#158	3	7-10	305	20,771	4.2	870
Melvin S. Stoltzfus						
Blanche	3	4-6	305	20,762	4.2	862
Dave Lamb						
R 141	3	3-10	305	22,046	3.8	837
#151	3	3-6	305	15,558	4.7	724
E. Hershey & Kauffman						
B3	3	7-1	305	19,375	4.3	828
Christ L. Stoltzfus						
Hope	3	4-9	305	17,876	4.6	817
Ann	3	4-4	305	18,874	3.8	719
Harry Freese & Son						
Elsy	3	4-6	305	21,045	3.8	810
Shine	3	5-3	303	17,027	4.2	711
E. Richard Hoopes						
#44	3	3-6	305	18,501	4.4	807
Ardrossan Farms						
L Mysal	1	3-6	305	17,289	4.6	803
C Rose	1	4-9	305	15,773	4.9	766
Kathy 2	1	3-6	305	18,828	4.0	762
Doubled	1	4-11	305	17,227	4.3	748
SV Lucit	1	7-4	299	16,583	4.5	738
Simon Z. Zook						
#3	3	7-7	305	20,193	3.9	789
George P. Lamborn						
Hildy	3	5-11	305	22,836	3.4	787
Spunky	3	2-1	305	17,710	4.0	715
Mast Stoltzfus						
Carol	3	5-9	305	21,700	3.6	776
Timothy Kauffman						
Molly	3	10-4	305	16,596	4.6	762
Rosella	3	3-4	305	19,900	3.8	750
Debbie	3	10-4	305	19,995	3.6	710
Alma	3	4-6	305	17,689	4 0	702
Walmoore						
#462	3	7-10	305	19,568	3.9	761
#811	3	3-11	305	20,753	3.4	707
#601	3	6-4	305	16,634	4.2	704
James V. Yale						
#27	3	9-7	305	15,844	4.8	759
#22	3	9-7	305	21,247	3.5	734
Kulp Bros.						
Dotty	3	5-8	305	17,047	4.4	757
John E. Bruner						
#127	3	4-8	305	17,416	4.3	755
William E. Parry & Son						
A 27	3	5-3	305	20,323	3.7	750
John M. Umble						
Myra	3	5-4	291	19,622	3.8	747
Paul King						
Apple	3	3-7	305	20,881	3.6	742
David Walton						
Salyann	3	8-5	305	20,012	3.7	734
J. Harold Bare						
#37	3	2-3	305	17,937	4.1	731
Herman Stoltzfus						
Emmalin	3	4-3	305	20,522	3.6	730
Alice	3	6-9	305	18,584	3.8	706
Wilmer L. Hostetter						
Royal	3	5-4	305	19,124	3.8	728
H. & R. Mason						
#32 F	3	2-5	305	18,567	3.9	725
Walmoore #1						
#958	3	3-8	305	18,451	3.9	724
#957	3	3-6	305	18,148	4.0	718
#962	3	3-2	298	19,781	3.6	706
Joseph S. King						
Fianna	3	9-6	305	15,456	4.7	720
Vernon C. Ruth						
Kass	3	5-8	305	14,927	4.8	720
Samuel B. Acker						
#419	3	4-5	305	16,822	4.3	715
Juhet	3	5-6	305	19,694	3.6	705
David Windle						
Hornie	3	4-10	305	21,234	3.4	714

War declared on cereal leaf beetles

ANNAPOLIS, Md. -- Maryland farmers, the USDA, the State's Department of Agriculture and Cooperative Extension Service are planning a special "D-Day" invasion for June 6 aimed at reducing the population of a certain insect pest known as the cereal leaf beetle.

Battleground of the invasion will be fields of small grains on dozens of farms in Allegany, Washington, Frederick, Carroll, Baltimore, Harford, Cecil, Prince Georges, Montgomery, and perhaps, other counties.

A plane, loaded with tins of cereal leaf beetle larvae parastized by tiny wasps, will begin hopscotching its way from Western Maryland, landing at local airports where Maryland Department of Agriculture and Cooperative Extension Service people will unload the tins and take them out into selected farm fields where the insects will be released.

The parasites, reared at USDA's insectary in Niles, Michigan, do not sting but prey only on the cereal leaf beetle's larva. They have proven a highly effective biological control measure.

This year, MDA's Division of Plant Industries, Plant Protection Section is assuming the lead role in the project which involves USDA's Animal, Plant, Health Inspection Service.

Last year, some 216,000 of the wasps were released in 14 Maryland counties and followed up survey results show the parasites have established themselves in at least 45 sites according to APHIS.

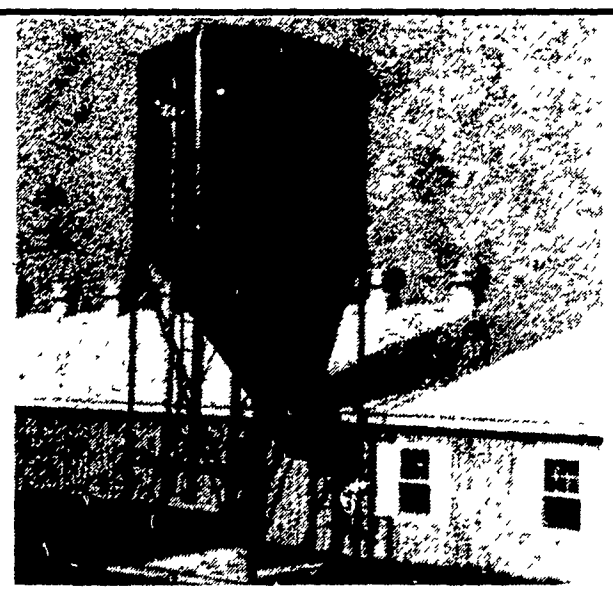
The cereal leaf beetle was first discovered in the U.S. in 1962. It is a highly destructive insect pest of wheat, oats, and other small grain crops which it damages by feeding on the leaves. Grain production in heavily infested fields is cut by 30 per cent in many cases.

According to Ronald L. Johnson, Director of MDA's Division of Plant Industries, farmers can still arrange for a parasite release in their fields if their cropping system suits the program.

"We need farmers with acreage in small grains interseeded with a cover or forage crop such as alfalfa or clover so that the parasites will overwinter and be available for control activities next season. It makes no sense to release the parasites in fields that will be plowed later this year because such a tillage practice would destroy the overwintering stage of the wasps," Mr. Johnson said.

"Farmers who believe their cropping system can meet these requirements are asked to contact their county Extension Agent as soon as possible," Mr. Johnson concluded.

J. Raymond Harnish Twin	3	7-9	305	19,550	3.6	707
Louis C. Neyman #1	3	3-10	305	18,149	3.9	706
David Bartram #93	3	5-8	305	17,627	4.0	705
Omer S. Smoker #126	3	3-9	305	18,014	3.9	703



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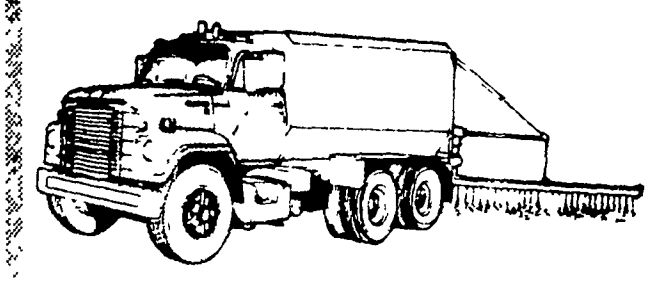

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(Continued from Page 94)

Mix flour, water, eggs, and salt well. Let stand one hour then fry like crepes. Makes about seven.

Pour a little spaghetti sauce on the bottom of the pan. Arrange manicotti in pan. Top with tomato sauce and sprinkle with parmesan cheese and mozarella cheese. Bake at 350 degrees F. for 20 minutes to ½ hour.

Audrey Nemeth
Rockaway, N.J.

xxx

MACARONI AND CHEESE

2 cups macaroni
1 pint tomato juice
Milk
2 to 3 hot dogs
Grated cheese

Cook macaroni until tender (about 10 minutes). Drain macaroni and place in a buttered casserole. Add grated cheese (any kind), enough to make the macaroni adhere together. Add tomato juice and enough milk to cover macaroni. Slice hot dogs and place over top of macaroni and cover with a few thin slices of cheese. Bake in a 350 degree F. oven for 30 to 40 minutes.

Mrs. Robert Moser
Barto, Pa.

xxx

SQUASH CASSEROLE

2 cups cooked squash (unpeeled zucchini)
3 tablespoons butter or margarine
2 beaten eggs
1 teaspoon salt
½ teaspoon pepper
½ cup onion, chopped
1 cup shredded cheese (cheddar or White American)
1 cup evaporated milk
2 cups oyster crackers (crumbled)

Mash cooked squash with fork. Add all other ingredients. Pour into greased one quart casserole, and bake at 350 degrees F. for 40 minutes.

Mrs. Sara A. Nice
Souderton, Pa.

xxx

CRUSTY SCALLOPED POTATOES

1 cup milk
1 can mushroom soup
¼ cup onion (finely chopped)
½ cup cheese
½ teaspoon salt
1/8 teaspoon pepper
2 cups cooked, sliced potatoes
6 tablespoons crushed corn flakes

Add milk to mushroom soup. Heat to boiling and add onion, cheese, salt, and pepper. Arrange alternate layers of potatoes and soup mixture in a buttered casserole. Sprinkle with crushed corn flakes. Bake in a moderate oven, 350 degrees F. for 30 to 40 minutes in a two quart casserole. Serves eight.

Mrs. Marvin Hoover
Womelsdorf, Pa.

xxx

LEMON-LIME SALAD

1 cup boiling water
1 (3 oz.) package lemon gelatin
1 (3 oz.) package lime gelatin
1 cup mayonnaise
1 cup sour cream
1 cup cottage cheese
1 (8 oz.) can crushed pineapple, drained
2 teaspoon prepared horseradish
½ cup pecans, chopped

In large bowl stir boiling water into gelatins until dissolved. Stir together mayonnaise, sour cream, cottage cheese, pineapple, horseradish, and pecans. Stir into gelatin mixture, mixing well. Pour into 1-½ quart mold. Chill several hours or until set. Unmold. Serves 10 to 12.

Mrs. Sandra J. Wolfe
Lebanon, Pa.

xxx

SUMMER COOL SALAD

18 large marshmallows
1 cup milk
1 (6 oz.) package lime flavored gelatin
1 (No. 2) can crushed pineapple
1 cup grated carrots
1 cup chopped celery
1 cup cottage cheese
½ cup salad dressing
1 cup heavy cream, whipped
½ cup nuts, optional.

Melt marshmallows and milk in top of double boiler Pour over gelatin and stir until dissolved Cool. Add pineapple, carrots, celery, cottage cheese, and salad dressing. Chill until mixture starts to gell Fold in whipped cream and nuts. Pour into eight cup mold or 9 inch by 13 inch glass dish. Refrigerate until set.

Mrs. Elmer Wenger
Manheim, Pa.

xxx

Soup

POTATO SOUP

2 medium-sized potatoes
1 medium-sized onion
½ cup diced celery
1½ cups noodles
1 quart milk
Salt and pepper to taste
1 teaspoon butter

Peel and cut potatoes in small cubes. Boil the above with onion and celery in salt water until about ½ done. Add noodles and cook until tender. Add milk and bring to a boil. Then add salt and pepper to suit to taste. Serve with crackers.

Mrs. Barbara A. Detweiler
Dover, Del.

xxx

Puddings

GRAHAM CRACKER PUDDING

Filling:
2 cups milk
¾ cup sugar
Pinch salt
2 tablespoons flour
2 beaten egg yolks
2 egg whites
2 tablespoons sugar
1 teaspoon vanilla
¾ cup heavy cream
Crumbs:
1½ tablespoons butter
12 crushed graham crackers
3 tablespoons brown sugar

For filling, combine milk, sugar, and pinch salt. Bring to a boil. Then, mix flour with additional milk, enough for a smooth paste. Add beaten egg yolks, stirring until blended. Beat two egg whites until foamy. Gradually add two tablespoons sugar, beating until stiff. Slowly stir the flour mixture into the boiling milk, stirring constantly until the mixture comes to a boil. Add one teaspoon vanilla. Pour the boiling mixture slowly into the beaten egg whites, stirring rapidly to blend. Cool. Whip ¾ cup heavy cream. Beat the pudding and fold in cream just before serving.

For crumbs, melt and lightly brown 1½ tablespoons butter. Mix with 12 crushed graham crackers and three tablespoons brown sugar. Before serving, line the bottom of a dish with half of the graham cracker crumbs. Add the pudding. Top with remaining crumbs.

Mary L. Yoder
Willow Street, Pa.

xxx

VANILLA BANANA PUDDING

1 box vanilla pudding
1 large banana
1 cup graham cracker crumbs
1 package instant whipped topping mix

Prepare pudding as directed on box, then cool. Also make whipped topping as directed. Use glass dish and add layer pudding, then banana, then graham cracker, and then whipped topping.

xxx

BREAD PUDDING

4 eggs
2½ cups milk
⅓ cup sugar
1 teaspoon vanilla
Cinnamon
Bread

Beat eggs, add milk, sugar, and vanilla. Break a couple slices of bread into mixture. Pour into a buttered baking dish. Sprinkle with cinnamon. Bake at 300 degrees F. for 40 to 45 minutes. Can be served warm or cold.

Emma Mae Esh
Gordonville, Pa.

xxx

TAPIOCA PUDDING

1 quart milk
⅔ cup sugar
4 tablespoons tapioca
3 eggs
Pinch salt
1 teaspoon vanilla

Beat one whole egg and the other two yolks. Then add to milk. Add all other ingredients except vanilla and beaten egg whites. Bring to a boil, remove from heat, then add vanilla and egg whites. Recipe is delicious served with one cup crushed pineapples drained, added when pudding is partly cooled.

Katie Bawell
Gordonville, Pa.

xxx

FLUFFY TAPIOCA PUDDING

3 tablespoons minute tapioca
3 tablespoons sugar
1 egg yolk
2 tablespoons sugar
1/8 teaspoon salt
2 cups milk
1 egg white
¾ teaspoon vanilla

Mix tapioca, salt, sugar, milk and yolk in pan Let stand for five minutes. Beat egg white until foamy Gradually beat in two tablespoons sugar, beating to soft peaks. Set aside. Cook tapioca mixture over medium heat to a full boil, stirring constantly Stir six to eight minutes Gradually add to beaten whites, stirring quickly just until blended Stir in vanilla. Cool 20 minutes Stir. Serve warm or chilled. Garnish as desired Makes five half cup servings

M.S. Martin
Ephrata, Pa.

xxx

NEVER-FAIL CUSTARD

6 egg yolks
½ cup sugar
2 cups milk
½ teaspoon salt
1 teaspoon vanilla
Nutmeg

Beat egg yolks slightly Slowly add sugar and continue beating until thoroughly mixed. Heat milk and slowly stir into egg mixture. Add salt and vanilla. Pour into individual custard cups; sprinkle with nutmeg. Set dishes in pan and fill one inch deep with hot water. Bake in slow oven (325 degrees F.) about one hour or until firm. Makes six servings.

Mrs. Anna Mae Overly
New Holland, Pa.

xxx

MISSISSIPPI MUD

3 tablespoons butter
2 tablespoons flour
4 cups milk
2 tablespoons cornstarch
¾ cup sugar
¾ cup brown sugar
2 egg yolks
2 teaspoons vanilla

Brown butter, add three cups milk to almost a boil. Dissolve flour, cornstarch, and sugars in remaining milk. Add to hot milk and boil one minute. Beat egg yolks, add to milk mixture, return to stove and boil one minute. Remove from stove and add vanilla.

Mrs. Reuben O. Martin
Myerstown, Pa.

xxx

CARAMEL PUDDING

Butter, the size of an egg
1½ cups brown sugar
1½ quarts fresh whole milk
4 tablespoons corn starch
2 eggs, beaten
Teaspoon vanilla
Pinch salt

Brown butter and add brown sugar. Let brown, then add milk. Heat almost to boiling then stir in thickening agent made of cornstarch and beaten eggs. Remove from heat and add pinch of salt and teaspoon of vanilla.

Mrs. Wilma Zimmerman
Kutztown, Pa.

xxx

EASY BUTTERSCOTCH PUDDING

1½ quarts milk (whole or raw)
1 cup molasses
1 cup brown sugar
1 cup flour
½ cup butter
1 tablespoon vanilla
5 eggs

In a heavy kettle, bring milk and butter to boiling. Beat rest of ingredients together and stir into hot milk. Continue stirring until pudding is thick. Pour into serving dish and chill. Just before serving, put on a favorite topping, sliced bananas, whipped cream, chopped peanuts, etc. Also delicious served plain.

Mrs. Aaron B. Shirk
Lebanon, Pa.

xxx

SPANISH CREAM

1 quart milk
1 box unflavored gelatin
4 eggs, separated
4 tablespoons sugar
Vanilla

Add milk and gelatin together over heat. Slowly let come to a boil. Beat egg yolks, and add four tablespoons sugar. Add yolks to mixture and remove from heat. Beat four egg whites until stiff, adding four tablespoons sugar and some vanilla. Fold egg whites into mixture. Pour into dish and cool. Let set over night. Serve with whipped cream and top with cherry.

Nita Dodrer
Littlestown, Pa.

xxx

CRACKER PUDDING

1 cup cracker crumbs
1 quart milk
2 eggs
1 cup sugar
½ cup coconut
1 teaspoon vanilla

Combine cracker crumbs, milk, egg yolks, sugar, and coconut, and cook until consistency of custard. Remove from heat and stir in stiffly beaten egg whites and vanilla. May be served warm or cold.

Naomi B. Frantz
Bethel, Pa.

xxx

PUDDING-WICHES

1½ cup cold milk
½ cup creamy peanut butter
1 package (four serving size) jello instant chocolate pudding
24 graham crackers

Add milk gradually to peanut butter in deep, narrow bowl Beat with beater until smooth. Add dry pudding mix Beat with beater until smooth. Let stand for five minutes. Spread filling ½ inch thick on 12 of 24 crackers. Top with remaining crackers. Freeze until firm, about three hours Makes 12 to 15 sandwiches.

Mrs. Daniel Stoltzfus
Kinzers, Pa.

(Turn to Page 129)

Somatic cell program recounted

By SALLY BAIR
Staff Correspondent

UNIVERSITY PARK – Milk and fat production goes down as the somatic cell count in cows' milk goes up, says R.J. Eberhart, department of veterinary science at The Pennsylvania State University. Speaking at the March Dairy Herd Management conference at Penn State Eberhart said that research done on the pilot and control herds in the year-old program show that "as the cell count increases, the probability that a cow is infected in at least one quarter also increases."

The somatic cell program is available to Pennsylvania dairymen through the Dairy participating dairymen receive information on the somatic cell count - or leucocyte count - of their cows, along with traditional DHIA information. The count shows clinical and subclinical cases of mastitis.

According to Herbert Gilmore, dairy science Extension, who administers the program, it is designed to "monitor the job you're doing and give additional information to help manage the herd." He pointed out that it only helps pinpoint potential problems in individual cows; the treatment must be selected and carried out by the dairyman. Herd Improvement Association. Each month Gilmore said, "If you don't open the envelope the information won't do you any good."

N. Alan Bair

Herb Gilmore

Eberhart said research shows that there is a clear difference in somatic cell counts in herds where teats are dipped and those where there is no dipping program. The incidence of subclinical mastitis in dipped herds is much lower than in non-dipped herds

N. Alan Bair, county Extension agent in Lancaster County, one of the pilot counties in the program, agreed with the importance of teat dipping. "It is important to begin looking at teat ends. The end of a cow's teat is the first line of defense against mastitis. She can fight off organisms if you keep the teat end in good shape," he said.

Bair emphasized that the use of an approved product for teat dipping can be effective in reducing irritations. He cautioned that any teat dip product has the potential for causing some problems in some cows, so checking out the product will be necessary before making the final selection.

Bair added that dirty cows allow a much greater exposure to organisms, and that udders should be washed in warm, clean water. He noted that udder sanitizer cannot work in dirty water. Proper washing is critical to a good letdown response, which will occur between ½ to 1½ minutes after washing. Therefore, he cautioned, don't wash too far ahead.

After washing, teats should be dried with a single service paper towel. Wet teats cause milk quality to suffer and cause increased irritation. Overmilking is also hard on teat ends, he said.

The use of the California Mastitis Kit on a regular basis can do everything the somatic cell program is currently doing, Bair noted. However, most dairymen don't use the kit with regularity.

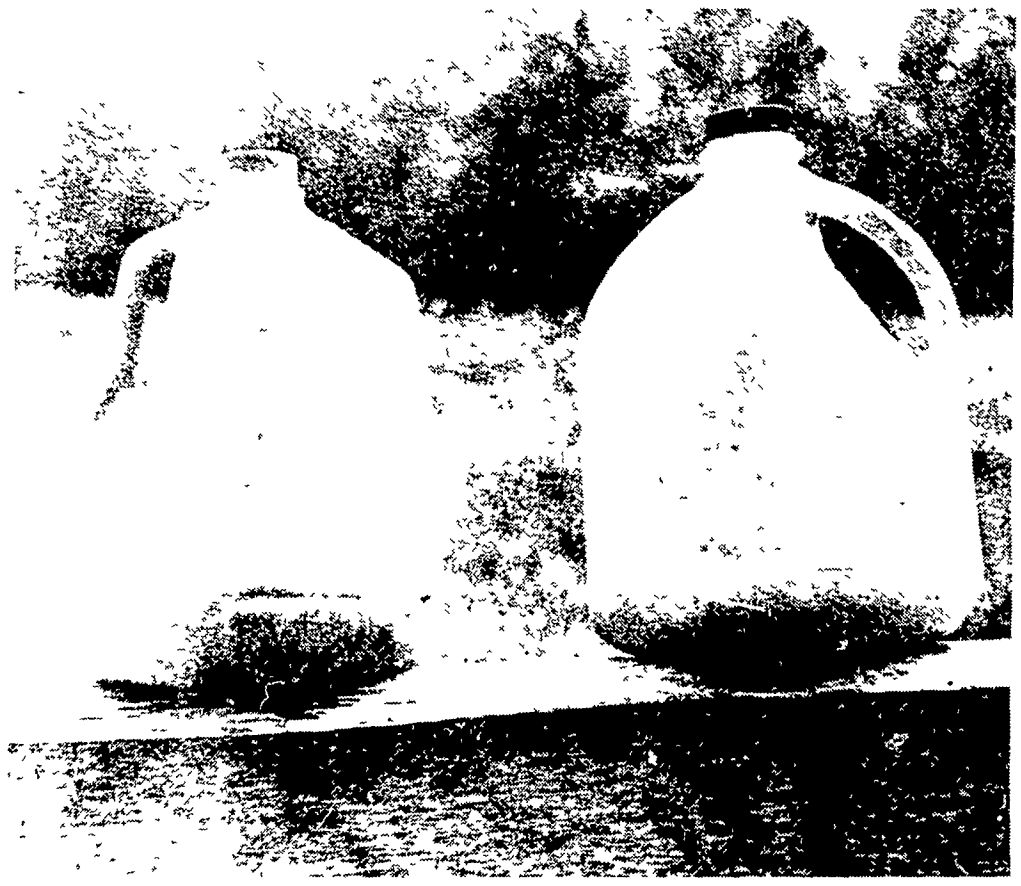
There are other management problems in a milking program which can contribute to high somatic cell counts. These include such things as a malfunctioning milking machine. Often pumps are too small, Bair said, because the system may grow but the pump size is not increased to match.

Nothing malfunctions more than the vacuum regulator, according to Bair It must be solidly mounted and functional checks must be made.

Regulators are another source of trouble, often because they are not located correctly and not maintained properly. There are very good products on the market, and if they are installed properly and maintained properly, any brand works satisfactorily.

"The incidence of mastitis and the attitude of the people in charge go hand in hand," Bair observed "There are a lot of people milking cows who don't want to milk cows." He recommended a good, regular herd health program for all dairy herds

Chocolate milk imitations on market



Supermarkets and dairy stores are marketing a non-dairy chocolate drink. Can you tell which is chocolate milk and which is chocolate drink? See the answer at the end of the accompanying article.

By JOYCE BUPP
Staff Correspondent

YORK – Imitation fluid milk products are again creeping into the retail sales shelves of supermarkets and dairy store outlets

Prime target this time around is the consumer's chocolate milk dollars Several area dairies and food chains are handling a non-dairy chocolate drink, while only one imitation white drink has been noted to date

Some dairymen are objecting to the methods used in merchandising the imitation product

The chocolate drink is packaged in gallon see-through plastic containers and sells for about $1 40 per gallon. These containers are displayed to shoppers directly beside gallon plastic containers of whole milk In spot checks of stores and dairy outlets conducted by this reporter in researching this article, no similar size containers of whole chocolate milk could be found in the dairy cases.

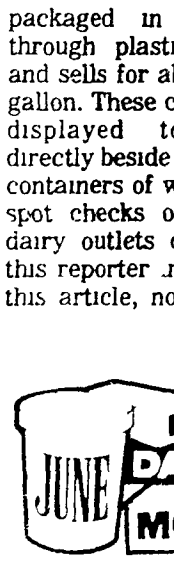
Required identifying labeling is printed on the plastic cap and generally includes these ingredients. water, sugars and corn sweeteners, hydrogenated or saturated coconut fats, food starch, cocoa, sodium caseinate, dipotassium and calcium phosphates, salt, mono and diglycerides, sodium silicoaluminate, carrageenan, guar gum, calcium sulfate, lecithin, artificial coloring and vanillin, an artificial flavoring.

A spokesman from one dairy commented that their firm was selling it mainly because other dairies had offered it first, and they had to handle the product to stay competitive.

Coinciding with dairymen worries about fluid milk imitations is their concern about non-dairy products served in restaurants, especially fast food chains.

One nationwide chain would not divulge the ingredients in their "shakes" and indicated that all the restaurant's recipes are locked up and kept secret.

However, another fast-food chain contacted indicated they use a locally-produced "milkshake" base, which includes six per cent of milk fat. The restaurant manager readily agreed to share the product's ingredient list, which included sugars and corn sweeteners, cocoa, vanilla and vanillin, carrageenan and salts He noted that the product makes 64 servings to the gallon and is prepared similarly to soft ice cream



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Dairy products are versatile

(Continued from Page 127)

MAPLE WALNUT CREAM PUDDING

2 cups milk
1 cup maple syrup
2 eggs
2 tablespoons cornstarch
¼ teaspoon salt
½ cup chopped walnuts
1 cup cream, whipped stiffly

Scald 1¾ cups milk with maple syrup in top of double boiler. Combine remaining milk with cornstarch and salt; add gradually to hot mixture. Stir until mixture thickens. Beat eggs; add slowly to syrup mixture, stirring briskly. Cook five minutes longer. Pour into serving dish and sprinkle with chopped nuts while pudding is still hot. When cold, cover with cream and serve.

Mrs. James L. Coombs
Gardners, Pa.

xxx

COCONUT CREAM TAPIOCA

4 cups milk
½ cup sugar
4 eggs, separated
3 tablespoons minute tapioca
¼ teaspoon salt
½ cup shredded coconut

Scald milk; add salt and tapioca. Cook 15 minutes, stirring frequently. Beat egg yolks and sugar. Add coconut. Add hot mixture gradually stirring constantly. Cook for about two minutes

Meringue:
2 egg whites
¼ teaspoon cream of tartar
¼ cup sugar
¼ teaspoon flavoring

Beat egg whites with cream of tartar until frothy. Gradually beat in sugar, a little at a time. Continue beating until stiff and glossy. Do not underbeat. Beat until sugar is dissolved. Beat in flavoring. Pile meringue onto hot tapioca mixture, being careful to seal the meringue onto edge of bowl to prevent shrinking or weeping. Swirl or pull up points for decorative top. Bake at 325 degrees F. for 15 minutes or until golden brown

Mrs. Ruth Ruoss
Blain, Pa.

xxx

Desserts

STRAWBERRY JELLO DELIGHT

2 packs (3 oz.) strawberry flavored gelatin
1 cup hot water
8 ounces cream cheese
1 cup cold water
1 can crushed pineapples
1 pack whipped topping mix
½ cup milk

Combine gelatin and hot water until dissolved. Add cream cheese and mix well. Add pineapple and cold water. Let set until gelled, then beat. Prepare whipped topping mix and add to gelatin mixture. Serve.

Mrs. Roy Seidel
Lenharstville, Pa.

xxx

BUTTER MILK CAKE

2 eggs
1½ cups sugar
2½ cups sifted cake flour
⅓ cup shortening
1 cup butter milk
1 level teaspoon soda
1 teaspoon cream of tartar

Beat eggs well. Add sugar and shortening. Beat until light in color. Add milk. Sift flour and soda and cream of tartar together. Add pinch of salt. Add slowly to eggs and sugar and shortening. Mix well. Beat two minutes. Bake at 350 degrees F. Make sure the soda is leveled.

Mrs. Howard Shaw
Dallastown, Pa.

xxx

RHUBARB UPSIDE DOWN CAKE

¼ cup shortening
1 egg
2½ teaspoons baking powder
1 cup milk
1 cup sugar
2 cups flour
½ teaspoon salt
2 cups diced rhubarb
2 tablespoons butter
1 cup brown sugar

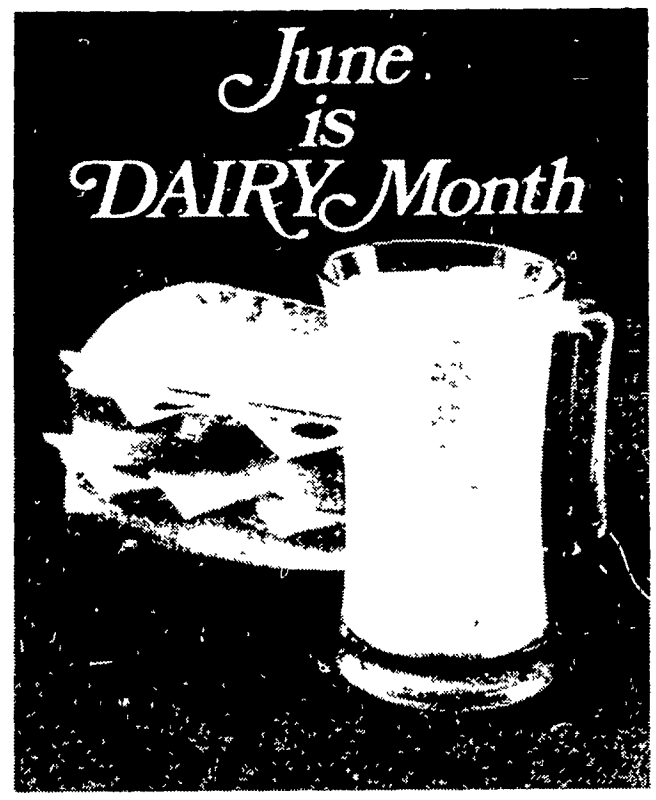
Melt butter in a skillet or heavy baking pan. Add brown sugar and diced rhubarb. To make batter, cream shortening and sugar together. Add egg and beat. Add dry ingredients alternatively with milk. Pour batter over rhubarb. Bake at 375 degrees F. for 40 to 45 minutes. Turn upside down on plate to serve with rich milk or cream. Makes six servings.

Mrs. Lester Wise
Elizabethtown, Pa.

xxx

CHOCOLATE PIE

1 heaping tablespoon corn starch
1 heaping tablespoon cocoa
2½ heaping tablespoons sugar
1 teaspoon vanilla
2 cups sweet milk



Since June is dairy month, let's enjoy it with our cooking.

Combine dry ingredients. Add milk slowly. Mix well. Cook in double boiler until thick, stirring constantly. Put into baked crust. Cool. Serve with whipped cream (Place on top)

Mrs. Howard Shaw
Dallastown, Pa.

xxx

RASPBERRY CUSTARD PIE

Filling:
6 eggs
½ teaspoon salt
3 cups milk
1¼ cups sugar
1 teaspoon vanilla

Cover bottom of pastry lined pie plate with about 1½ cups fresh or frozen raspberries. Beat eggs until well blended, add sugar, salt, milk, vanilla. Stir until smooth and pour over berries Bake at 425 degrees F. for 15 minutes then reduce temperature to 350 degrees F. and bake for 30 minutes or until a knife inserted in filling one inch from pastry edge comes out clean.

Mrs. Doris E. Yoder
Lewistown, Pa.

xxx

INCREDIBLE PIE

4 eggs	1 stick soft butter
2 cups white sugar	2 cups milk
½ cup flour	7 ounces coconut
1 tablespoon vanilla	½ cup nuts (optional)

Grease and flour two nine-inch pans. Mix sugar, flour, and butter well. Add eggs one at a time. Beat well and add milk, vanilla, and coconut. Bake at 350 degree F. for 30 to 35 minutes. This will form a crust of its own.

Verna Hoover
Newmanstown, Pa.

xxx

BAKED CUP CUSTARDS

4 eggs
½ cup sugar
½ teaspoon salt
4 cups milk
½ teaspoon vanilla
Nutmeg

Beat eggs slightly, add sugar, salt, and vanilla. Scald milk and pour slowly over egg mixture. Stir until mixed. Pour into custard cups. Fill ⅔ full. Sprinkle on nutmeg if desired. Set cups in pan of hot water to custard level. Bake at 325 degrees F. for 40 minutes. Do not let water boil. Makes eight cups.

xxx

CARAMEL PIE

1 quart milk
2 tablespoons cornstarch
2 tablespoons flour
1 egg
2 cups brown sugar
Butter the size of an egg

Melt brown sugar and butter in a pan on the stove. Heat milk to boiling point and stir in about half of the batter. Then add the brown sugar, as it will get very thick. Add the rest of the batter Have baked crusts ready. Top with whipped cream. Makes three pies.

Emma L. Yoder
Willow Hill, Pa.

xxx

AMAZING COCONUT PIE

2 cups milk
¾ cup sugar
½ cup biscuit mix
4 eggs
¼ cup butter or margarine
1½ teaspoons vanilla
1 cup coconut

Combine milk, sugar, biscuit mix, eggs, butter, and vanilla in an electric blender container. Cover and blend on low speed for three minutes. Pour onto greased nine-inch pie pan. Let stand about five minutes, then sprinkle with coconut. Bake at 350 degrees F. for 40 minutes. Serve

Sharon Burrier
Union Bridge, MD

xxx

CHERRY-O-CREAM CHEESE PIE

1 cup graham cracker crumbs
2 tablespoons sugar
⅓ cup butter or margarine, melted
1 (8 oz.) package cream cheese, room temperature
1⅓ cup (15 oz. can) sweetened condensed milk
⅓ cup lemon juice
1 teaspoon vanilla extract
1 (1 lb. 5 oz.) can prepared cherry pie filling

Combine crumbs, sugar, and butter. Mix well. Press evenly and firmly on bottom and sides of nine inch pie plate. Chill. Beat cream cheese until fluffy. Gradually add sweetened condensed milk. Stir until well mixed. Stir in lemon juice and vanilla until well blended. (Can be done in blender.) Turn into prepared crust. Chill two to three hours. Do not freeze. At serving time garnish with cherry pie filling.

Sharon Burrier
Union Bridge, Md

xxx

CREAM CHEESE CUP CAKES

1½ pounds cream cheese (3, 8 oz. blocks)
⅔ cup sugar
3 eggs
1 tablespoon vanilla

Beat all ingredients together until thin. Place one vanilla wafer in the bottom of each cupcake paper. Fill paper to top of each with cheese mixture. Bake at 350 degrees F. for 15 minutes and top starts to crack. Top with a spoonful of cherry pie filling while still hot. Your favorite pie filling may be substituted for the cherry one.

Judy A. Meckley
Lititz, Pa.

xxx

MILICH FLITCHE

4 tablespoons flour	Dash cinnamon
1½ cups milk	1 unbaked pastry shell
4 tablespoons sugar	

Combine the flour and sugar mixing well. Add the milk. Pour in a seven-inch pastry shell and sprinkle cinnamon over it. Bake at 400 degrees F. oven for 35 minutes.

Louise Engler
Nazareth, Pa.

xxx

PINEAPPLE NUT ICE BOX CAKE

½ pound vanilla wafers
2 cups confectioners sugar
½ cup margarine
½ pint whipping cream, whipped
½ cup black walnuts, crushed
1 (No. 2) can crushed pineapples, well drained
2 eggs, beaten

Roll wafers. Put half of rolled wafers in bottom of an eight inch square pan. Cream margarine and sugar until fluffy. Add beaten eggs. Beat mixture until well blended Spread this mixture over crumbs. (Be careful not to mix.) Add well-drained pineapple to whipped cream. Also add nuts to this mixture. Spread this over top of last layer. Then spread remaining rolled vanilla wafers on top. Place in refrigerator at least 12 hours. Cut into squares to serve.

Emma Burkholder
Ephrata, Pa.

xxx

Ice creams

ICE CREAM DESSERT

60 snack crackers, crushed fine
½ cup margarine or butter, melted
2 packages instant vanilla pudding
1½ cups milk
2 quarts vanilla ice cream

Combine crackers and margarine . Line serving dish with crumb mixture. Beat remaining ingredients together. Pour in crust, garnish with few crumbs. Chill.

xxx

CHOCOLATE MARSHMALLOW ICE CREAM
(for 6 quart freezer)

1 quart milk
1 quart cream
8 eggs
1½ cups sugar
25 marshmallows
4 tablespoons gelatin
4 tablespoons cocoa

Heat milk to boiling, and add gelatin (which has been dissolved in ½ cup cold water.) Beat eggs; add sugar and cocoa. Add to milk mixture Add marshmallows and stir till they are partially melted. Whip the cream and fold in. Turn and freeze immediately.

Mrs. Moses B. Zook
New Holland, Pa.

xxx

MILK CHOCOLATE BAR ICE CREAM

¼ cup sugar
2 tablespoons flour
½ teaspoon salt
1 cup light cream
2 eggs slightly beaten
2½ pounds chocolate bars broken in pieces
2 teaspoons vanilla
3 cups light cream
1 cup heavy cream

Combine sugar, flour, salt in saucepan, add one cup

(Turn to Page 130)

Dairy products are versatile

(Continued from Page 129)

light cream. Cook and stir over medium heat until mixture comes to a boil. Boil and stir one minute; remove from heat. Stir in eggs and blend well; add broken chocolates stir until melted. Add vanilla, three cups light cream, and one cup heavy cream; blend well. Chill, make in ice cream freezer.

Esther Mae Martin
Pine Grove, Pa.

xxx

COFFEE ICE CREAM

6 tablespoons ground coffee
2 eggs
2 tablespoons arrowroot
3 cups milk
1½ cups sugar
2 cups cream stiffly whipped

Scald coffee and milk; strain through a cheese cloth. Beat eggs, sugar, and arrowroot together. Stir in milk; cook in double boiler until mixture thickens. Remove from heat, cool. Add cream. Freeze. Yields two quarts ice cream.

Mrs. J.L. Coombs
Gardners, Pa.

xxx

VANILLA ICE CREAM

1½ quarts milk
1½ cups sugar (granulated)
2 eggs (well beaten)
1½ tablespoons flour
1 quart cream
1½ tablespoons vanilla

Heat milk until almost boiling. Combine sugar, flour, eggs, vanilla. Stir into warm milk and continue stirring until it comes to a boil. Cool, and add cream. Freeze. This makes about one gallon.

Rebecca S. Stoltzfus
Narvon, Pa.

xxx

HOMEMADE ICE CREAM

3 quarts whole milk
3 cups sugar
2 tablespoons vanilla or other flavor
Pinch of salt
3 junket tablets, dissolved in a little cold water
3 cups cream
2 or 3 eggs

Dissolve sugar and salt, and flour in luke-warm milk. Add dissolved junket and stir well. Pour into six quarts capacity freezer into which a ½ teaspoon soda has been put in bottom. Let set until thick, beat eggs and add to freezer along with the cream. Follow manufacturers directions to churn.

Mrs. Wilma Zimmerman
Kutztown, Pa.

xxx

DAIRY CREAM ICE CREAM

4 eggs
2 tablespoons vanilla
1¾ cups sugar
½ teaspoon salt
1 pint cream

Beat egg whites until stiff. Add egg yolks and beat again. Stir in sugar, then cream and add enough milk to fill a four quart freezer. (This is a no cook recipe.)

Mrs. Barbara Ann Detweiler
Dover, Del.

xxx

Drinks

EGGNOG

4 eggs
4 cups cold milk
½ teaspoon vanilla
1/8 teaspoon nutmeg
1/8 teaspoon salt
⅓ cup sugar

Beat eggs thoroughly. Add remaining ingredients. Beat with a rotary beater until frothy. Serves four. variations - eight tablespoons chocolate syrup, four tablespoons malted milk. Top with whipped cream.

xxx

BANANA MILKSHAKE

1 fully ripe banana
1 cup cold milk

Peel banana. Slice into bowl and beat with rotary egg beater or electric mixer or blender until smooth and creamy. Add milk. Mix thoroughly. Serve very cold. Serves one.

Above two recipes by:
Mrs. Carl Bacon

xxx

CHEESE BALLS

4 ounces cream cheese, room temperature
[illegible] ounce sharp white natural cheddar cheese, room temperature
½ [illegible]aspoon minced onion
2 s[illegible]s bacon, fried and minced
Gro[illegible] pecans

Mash softened cheese with fork, then add to the softened cream cheese. Blend with electric mixer. Add minced onion and bacon. Mix well and chill several hours. Shape in small b[illegible]s and roll in ground pecans. Yields 20 to 24 small balls.

Mrs. Ellis Anders
[illegible]

Grange sewing contest winner picked

HARRISBURG -- A Luzerne County mother, Mrs. Martin Guide, Jr., of 406 Suscon Rd., Avoca, won best of show honors and a first place ribbon in Class D-- for teen age garments – in the Pennsylvania State Grange's 20th Annual sewing contest.

The winning entry, a rainwear outfit consisting of hat, jacket and slacks, was made for her 16-year-old daughter, Shelly. It was made of camel color waterproof material with red lining and red stitching.

Mrs. Guide's other daughter, 19-year-old Teresa Lynn Guide, won the first place ribbon in Class A (women's garments). Her entry was a three-piece outift, with light blue jacket and flare skirt and a white blouse.

First place winners in the other three classes were:

Gwen Tataleba, 17, of Berlin R1, Somerset County, in Class B for teen age garments made by contestants 10 to 17 years old. Her entry was a three-piece outift consisting of ruffled skirt of flower print with a beige blouse and tanderine jacket.

Mrs. Walter Cox, R2, West Alexander, Washington County in Class C, children's garments. Her entry was a four-piece boy's outfit with jacket, vest and trousers of brushed blue denim with a checked shirt.

Mrs. Robert Mitchel, 19 S. Highland St., DuBois, Cleafield County, in Class E men's garments. Mrs. Mitchell's entry was a man's vested suit of gray material with white pin stripe.

The five first place winners were selected from 109 garments judged in the final competition. More than 2500 garments were entered in the statewide contest, according to Mrs. Leroy Hoover, director of women's activities for the State Grange.

Runners-up were: Class A -- Nadine Prange, Cochranville R1, second; Ruth Adler, Carlisle R4, third.

Class B – Emily Churella, Patton R1, second; Susan Maxwell, 231 S. Otter St., Mercer, third.

Class C – Carolyn Snyder, Kutztown R2, second; Mrs. Jason Allison, 47635 Summerset Drive, East Liverpool, Ohio, third.

Class D – Nettie Kauffman, Leesport R2, second; JoAnn Kirschner, Monongahela R2, third.

Class E – Jean Ishman, Worthington R1, second; Mrs. Roy Snyder, Aliquippa R1, third.

Judges were Mrs. Virginia Kloss and Mrs. Ruth Finkel, of Lancaster, Extension Service home economists, and Mrs. Janis Horst, Newmanstown, and Mrs. Mune Grimes, Lebanon, Extension Service sewing instructors.

Case sponsors tractor pulling award

UPPER SANDUSKY, Ohio – The year 1978 marks the second year for the involvement of the J.I. Case Farm Machinery Division of Tenneco, Inc. with the National Tractor Pullers Association and the "Super Stock Puller of the Year" award program.

The "Super Stock Puller of the Year" award is one of the oldest awards in the NTPA, and the first of the awards to go to a specific class of competition.

The award is a Case 1570 tractor, with the winner of the award receiving use of the tractor for one year, in addition to a grandfather clock inscribed to denote the award. Bob Williams of Groveport, Ohio, driver of the "Double Trouble" AC D-21 was the 1977 recipient of the Case award.

In addition to the award, Case will be supplying transfer tow back tractors, tow tractors, and other track maintenance machinery for many of the NTPA Grand National Circuit and Regional events through its regional sales managers and local dealerships.

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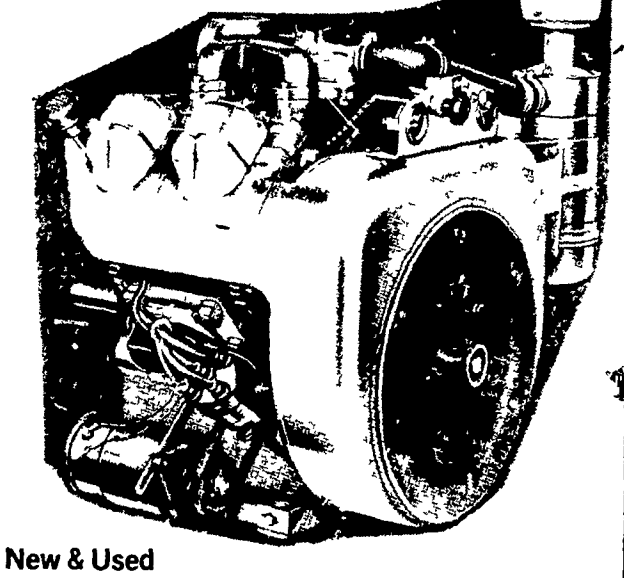

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ternational wool committee formed

VER, Colo. – An ational committee enting growers who e wool for the United has been formed to the consumption of the U.S.

new group is called S Wool Growers In- y Development ittee. Its members are ised of wool growers Australia, New d and the United

mittee chairman Phil l said, "our new ittee is an important to continue the recent alization and pment of the U.S. wool cing industry." As cers serving the U.S. t, the committee noted the upward trend in wool demand and the further growth potential for wool in the United States. The committee indicated that every encouragement would be provided the U.S. wool textile manufacturing industry to best satisfy the requirements of the American market.

The committee's activities will be complimentary to the programs of the U.S. Wool Bureau and the American Sheep Producers Council. The committee decided on the following program of work: Expansion of wool usage in the United States; encouragement of the U.S. wool textile industry; dissemination of information designed to improve the quality, presentation and packaging of wool for the textile industry; coordination and dissemination of information concerning wool research (including wool production); coordination and dissemination of information concerning wool promotional and educational efforts; dissemination of publicly available wool production and market information; and dissemination to the public of information concerning the stature, contributions and importance of the wool industry.

Richard D. Biglin, executive director of the American Sheep Producers Council, was named secretary of the committee which will be headquartered in Denver, Colorado.

Farrell commented on the wool fiber saying, "Wool is a natural, renewable fiber because of the basic nature of the sheep which produces it. Importantly, the production of the wool fiber is not an energy intensive operation, because the sheep is so efficient in converting its food into wool fiber and meat. Not only are sheep and wool renewable resources, but the wool itself is recyclable."

The new committee noted that wool fabrics are enjoying a strong resurgence in American markets, coinciding with strong consumer demands for natural fibers.

Calcium needed throughout life

ROSEMONT, Ill, -- Calcium is needed for growth and maintenance of sound, healthy bones. The most practical, available source of calcium in the diet is milk. Current research has shown that insufficient intake of calcium can result in the degenerative bone condition known as osteoporosis. Estimates reveal a minimum of 10 per cent of the population over 50 years of age suffers from senile osteoporosis severe enough to cause fractures; and the disease is a major orthopedic disorder in about 25 per cent of post-menopausal women.

Research indicates that osteoporosis may be largely preventable by proper dietary intake including recommended amounts of dairy foods. The two eight-ounce glasses of milk suggested for adults provide 600 milligrams of calcium. The remaining 200 milligrams recommended daily (800 mg total) by nutritionists can be supplied from other foods in the diet such as breads and vegetables. Most subjects studied with osteoporosis had histories of low dairy food intake and subsequently inadequate calcium in their diets.

Additional research has shown that bone depletion can first be seen in the bone of the jaw. Such depletion occurs much earlier than osteoporosis; and, it, too, is associated with inadequate calcium consumption. Fortunately, the degenerative process may be reversed at this point by increasing the calcium intake to at least the recommended level of 800 milligrams daily.

3 tractor pullers go all the way in 7000 pound modified class

THE BUCK – Spectators at the Buck Tractor Pulls were treated to a series of full-distance runs last week when screaming, powerful, modified tractors leaped and scratched their way to pay dirt. The special treat came in the 7000 pound modified class.

Don Landis, a puller from Berlin, Pa. ended up as victor when he piloted his twin-Dodge powered machine for a distance of 143 feet and three inches in the pull-off. Les Houck of Kinzer was second in a rig outfitted with two Chevy engines. In third place was Carl Spickler of Elizabethtown aboard a modified tractor sporting three Chevy engines. His distance was 110 feet, three inches. Houck was stopped at 136-10.

In other class contests, the results were:

12,000 pound open

1. Tom Middleton, Ridgely, Md., IH 1066, 162-0 feet; 2. Leonard Thomas, Boonesboro, Md., JD 4020, 161-2; 3. Harry Griest, Coatesville, IH 1456, 157-2.

9000 pound open

1. Les Houck, 268-3; 2. Dave Becker, Mt. Joy, two 400 cubic inch Ford engines, 248-1; 3. Glenn Darnell, McDonnell, Va., two 454 Chevys, 241-3.

5000 pound modified

1. William Nandain, Newark, Del., 427 Ford, 240-0; 2. William Almoney, Wrightsville, 429 Ford, 232-8; 3. Harry Almoney, York, Oliver 88, 226-4.

5000 pound super stock

1. Dale Smoker, Cochranville, AC 180, 161-8; 2. Coleman Wheatley, Bethel, Del., JD 4010, 160-2; 3. Harold Stuaffer, Ephrata, Deutz 8006, 156-11.

9000 pound super stock

1. Don Thomas, Boonesboro, Md., JD 4020, 259-1; 2. Tom Middleton, 246-10; 3. Marlin Brubaker, Quarryville, AC D21, 233-7.

7000 pound super stock

1. Donald Thomas, 204-8; 2. Harold Stauffer, 180-10; 3. Coleman Wheatley, 172-6.

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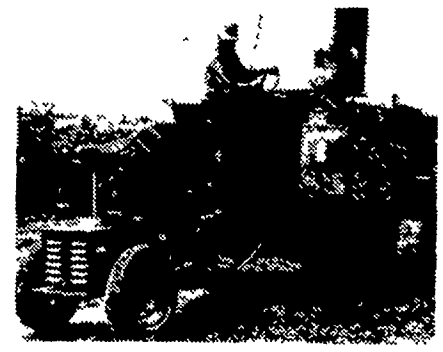

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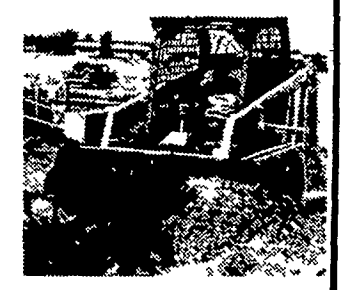

EXCAVATE scarify rake, plow and remove snow, clean barns, sheds, drill postholes Bobcat does it

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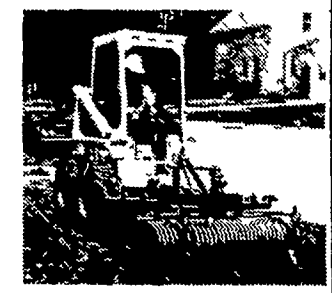

BUY OR RENT a variety of buckets and other attachments Bob-Tach locks them on fast and solid

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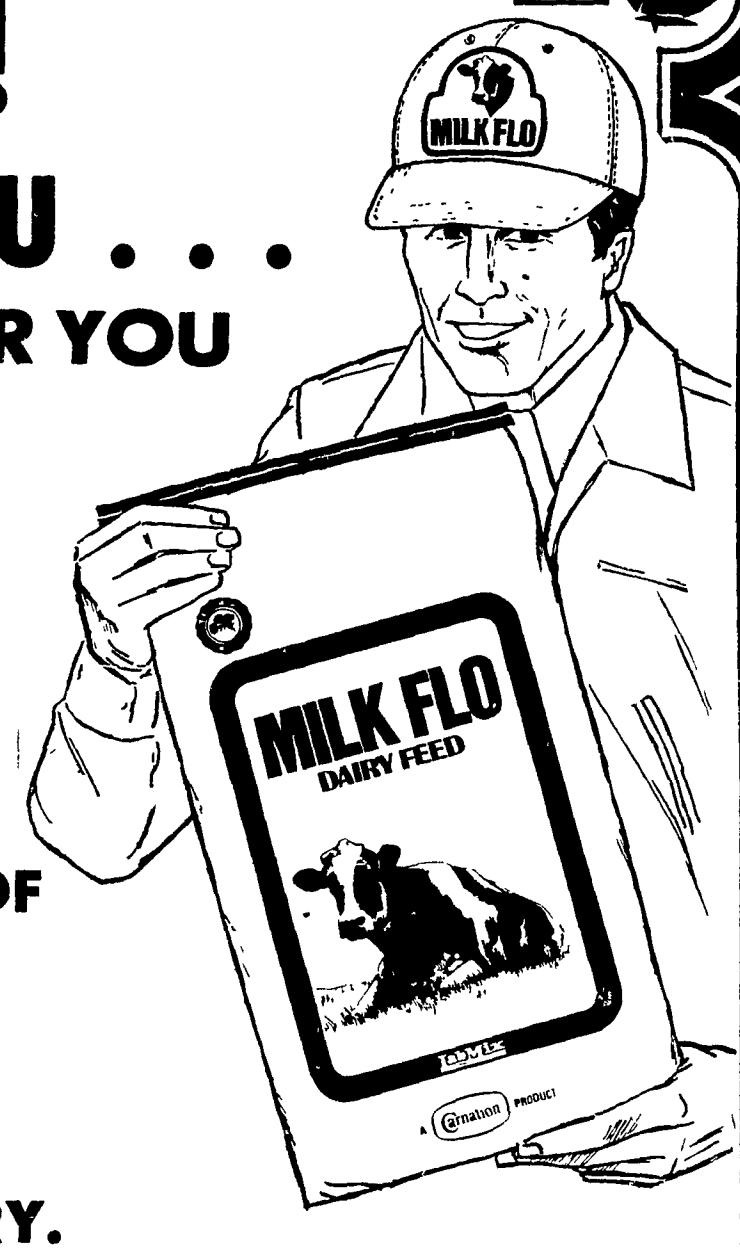
DAIRYMEN!

OUR HATS OFF TO YOU . . .

AND WE HAVE A HAT FOR YOU



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CARNATION COMPANY'S CONTRIBUTIONS TO THE DAIRY INDUSTRY

June is dairy month

In 1976, the Carnation Company spent in excess of $15,000,000 advertising and merchandising milk products. Most of this advertising was in television, magazine advertising, and special promotions. This makes the Carnation Company a leader in total advertising and the promotion of milk and dairy products.

A total of 160,000,000 pounds of instant milk is produced nationally. Carnation produces 70,000,000 pounds of this total. (44% of US production)

Carnation Hot Cocoa Mix uses 23% non-fat dry milk in the formula. It is mixed with water or fresh milk.

Carnation Instant Breakfast used 50% non-fat milk in formula, a total of 20,000,000 pounds per year. Carnation Instant Breakfast is mixed with fresh milk.

Carnation Evaporated Milk - company percent of market is in excess of 50% of total evaporated milk produced. Carnation Company buys over one billion pounds of fresh milk annually for condensing.

Carnation Fresh Milk is distributed on the West Coast and the Southwest. We sell in excess of $200,000,000 per year of Fresh Milk, Ice Cream and other Dairy products per year.

Most of the above products are also sold to the fast food industry and to institutional accounts such as hotels, hospitals, and schools.

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LabMix

Carnation Company

MILLING DIVISION

June is dairy month

June is Dairy Month

June is dairy month

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York County DHIA Monthly Report

APRIL 1978

David Stewart had the high producing cow in April, with his "Ada," a 7-year old Holstein, producing 20,363 pounds of milk and 1036 pounds of butterfat in 305 days. Stewart, whose farm is located near Delta in southern York County, recorded a herd average of 52.5 pounds of milk and 2.12 pounds of butterfat per day.

The second high producing cow for the month of April was "Carol," a 7-year old Holstein owned by Sinking Spring Farm, Inc. She produced 22,549 pounds of milk and 973 pounds of butterfat.

The high herd average for the month came from Smysers Richland Farms, East Berlin, whose 65 Holsteins averaged 60.5 pounds of milk and 2.30 pounds of butterfat. Sinking Spring Farm, York R 22, was second with 64 Holsteins averaging 55.8 pounds of milk and 2.22 pounds of butterfat.

OWNER BREED	NO COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Smysers Richlawn Fms. B3	65.0	90.6	60.5	3.8	2.30
Sinking Spring Fm. Inc. 3	63.9	90.7	55.8	4.0	2.22
Avalong Farms Inc B3	35.4	83.6	53.1	4.1	2.19
Galawn Farms B3	42.0	90.9	51.3	4.2	2.13
David Steward B3	54.8	92.1	52.5	4.0	2.12
Lynn Wolf B3	39.0	96.3	56.7	3.7	2.11
Robert R. Stewart B3	49.0	96.4	53.9	3.9	2.10
Phillip D. Laughman 3	26.8	93.2	57.7	3.6	2.09
Earl Fuhrman B3	67.8	93.9	51.1	4.1	2.08
Thomas A. Boyer B3	34.3	90.7	53.1	3.8	2.04
Beshore Farms 3	44.1	84.0	53.3	3.6	1.93
Guy A. Leader & Sons 2	70.3	87.4	40.0	4.8	1.93
H. E. Fetrow & Sons B3	71.3	88.0	49.9	3.8	1.90
Paul R. King 3	45.0	89.2	47.0	4.0	1.87
MC Ral Dairy Farm B3	111.5	96.0	46.3	4.0	1.87
Adrian Rinehart B3	93.8	93.7	48.5	3.8	1.84
Wayne B. Mummert B3	58.6	82.5	47.0	3.9	1.84
Wayne L. Sweitzer B8	40.4	92.1	47.3	3.9	1.83
Curtis V. Thompson G8	48.9	87.6	46.5	3.9	1.82
Hidden Springs Farm B3	72.4	88.2	47.1	3.9	1.82
Rodman C. Thompson 3	48.0	87.5	46.3	3.9	1.81
Kenneth L. Rexroth B8	92.1	95.1	47.8	3.8	1.81
Elvin G. Molison B3	89.9	92.7	47.1	3.8	1 81
William Ruppert B8	50.3	85.9	48.2	3.7	1 80
Leroy Bupp B3	55.2	94.5	45.9	3.9	1.77
Horace E. Heindel B3	120.6	84.3	46.6	3.8	1.77

(Turn to Page 136)

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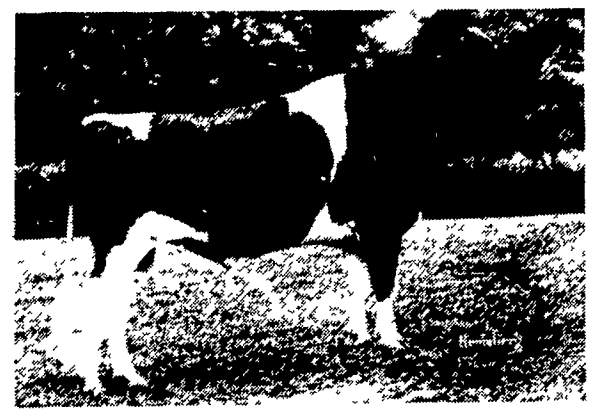
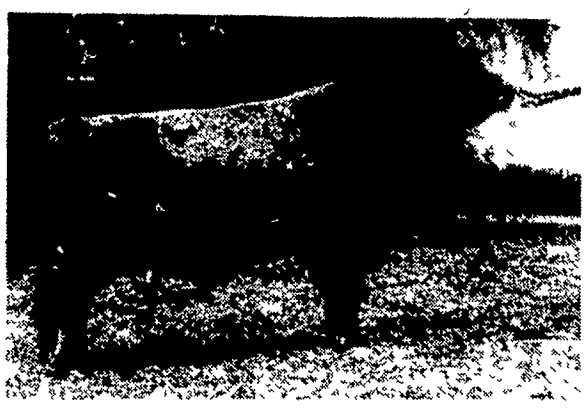
TELEPHONE (include area code) _____
OF ANIMALS ON FEED - HOG _____ BEEF _____ DAIRY _____
ACRES _____ MORE INFORMATION ☐ STUDENT ☐





June is dairy month

MAKE EVERY MONTH DAIRY MONTH WITH

PRODUCTION PD-POWER SIRES

USE THESE HIGH +PD BULLS IN YOUR HERD IMPROVEMENT PROGRAM:

HOLSTEIN

15H123	Rocket — GP & PQ	+1,911M	+34F	+$144	99%r.
15H180	Superior — VG & GM	+1,435M	+24F	+$106	73%r.
15H157	Standout — GP & PQ	+1,383M	+15F	+$93	87%r.
1H266	Penstar — G & PQ	+1,274M	+48F	+$125	82%r.
15H175	Marvex — EX & GM	+1,195M	+39F	+$110	81%r.
1H267	Eric — VG & GM	+1,186M	+21F	+$89	80%r.
1H216	Albert — VG & PQ	+1,093M	+25F	+$89	51%r.
15H170	Chief — VG & GM	+1,088M	+10F	+$71	86%r.
15H120	Gay — EX & GM	+1,073M	+26F	+$89	99%r.
15H165	Comet — GP & PQ	+1,052M	+30F	+$92	93%r.
15H250	Bootleg — VG & PQ	+1,049M	+5F	+$63	31%r.
15H103	Ivan. Star — VG & GM	+1,034M	+41F	+$104	99%r.
15H177	Willie — VG & PQ	+962M	+22F	+$78	76%r.
15H143	Snowman — EX & GM	+918M	+13F	+$65	91%r.
1H243	Performer — GP & PQ	+900M	+18F	+$70	93%r.
15H151	Proud — VG & GM	+824M	+21F	+$69	90%r.
15H114	Jack — VG & GM	+777M	−4F	+$38	99%r
15H150	Perfection — EX & GM	+739M	+10F	+$52	82%r
15H153	Improver — VG & PQ	+702M	+1F	+$40	81%r.
15H171	Hercules — VG & GM	+695M	−10F	+$27	94%r.
15H184	Progressor — GP	+694M	−3F	+$35	34%r.
15H161	Educator — VG & GM	+675M	+14F	+$53	96%r.

COLOR BREEDS

3G145	Choice	+1,276M	+48F	+$125	81%r.
7G126	Double Emory	+1,202M	+26F	+$96	97%r.
15G106	Favorite	+1,055M	+25F	+$87	74%r.
3G147	Nobleman	+846M	+24F	+$74	80%r.
3G130	Hollirex	+845M	+49F	+$102	98%r.
1J194	Soldier Boy	+1,303M	+37F	+$114	30%r.
1J129	Emperor	+1,053M	+47F	+$112	54%r.
1J137	Glory	+1,020M	+30F	+$90	43%r.
15J48	Superb	+975M	+32F	+$90	85%r.
1J183	Tris Gen	+876M	+33F	+$86	44%r.
1B59	Distinction	+967M	+29F	+$86	59%r.
3A73	Commander	+935M	+15F	+$69	98%r.

(January/78 USDA summaries)

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York County DHIA

(Continued from Page 134)

Leonard W. Greek B3	18.3	89.0	44.8	4.0	1.77
Roy & Frank Feeser B3	112.4	91.3	45.6	3.9	1.76
Rutter Bros. 2	80.3	88.3	34.3	5.1	1.75
Bupplynn Farms Farm 2 B8	70.8	95.5	51.0	3.4	1.75
Elvin R. Deiter B8	58.3	90.2	45.3	3.8	1.72
Honeycrest FM B8	92.3	91.8	37.3	4.6	1.71
Leonard W. Greek B3	18.0	90.3	44.0	3.9	1.71
Melvin Diem Jr B8	84.1	91.1	42.3	4.0	1.68
Stump Acres B3	115.0	83.6	43.6	3.8	1.67
Robert W. Mays B3	63.2	88.5	44.9	3.7	1.67
Fawn Valley Farm B3	62.3	87.6	39.6	4.2	1.65
T. Edwin Johnson 3	49.6	86.5	43.7	3.8	1.65
John H. Doll Jr B8	32.2	93.9	47.0	3.5	1.64
Gum Tree Farm B3	44.2	92.6	42.5	3.8	1.63
Philip R. Stambaugh B8	49.4	93.1	41.3	3.9	1.61
Ramsey S. Cooper Jr B8	45.1	93.4	41.6	3.9	1.61
Richard E. Stough B3	29.8	93.3	40.1	4.0	1.61
Mervin W. Hertzler B8	63.8	97.6	33.6	4.8	1.61
Robert J. Reheard B8	38.3	89.9	38.3	4.2	1.60
Fred Sprenkle 3	36.0	81.6	43.2	3.7	1.59
Avalong Farms Inc B2	50.1	82.5	32.5	4.8	1.56
Rick L. Cook B3	73.8	92.8	38.4	4.1	1.56
Gary W. Thoman B3	20.6	88.5	43.5	3.6	1.56
William H. Fantom B3	64.7	87.6	40.1	3.9	1.55
Leroy Hertzler B8	26.2	100.0	39.3	3.9	1.55
Titus & Merle Walker G8	33.8	88.5	42.6	3.6	1.55
Dennis L McWilliams B8	57.2	89.4	43.5	3.5	1.54
Ellis Crowl B3	102.9	92.3	36.7	4.2	1.53
Carl Anderson B8	41.0	76.5	39.8	3.8	1.53
Fred Sprenkle 3	36.9	79.2	41.4	3.7	1.52
Palmer McWilliams Jr B3	40.0	81.7	37.9	4.0	1.52
Claude M. Cooper G3	31.3	93.0	37.7	4.0	1.52
Susquehanna Dairy Fm B3	85.1	86.5	40.2	3.8	1.51
Fred Kimmel B3	29.5	80.3	36.1	4.2	1.50
Dale & Darla Doll B3	63.2	82.5	39.1	3.8	1.49
Larry J. Moyer B8	56.4	78.8	38.8	3.8	1.48
Emory & Wm. Kilgore B8	59.9	87.9	34.6	4.2	1.46
Melvin R. Lehr B3	34.7	82.0	36.8	4.0	1.46
Charles Herr & Son B3	42.7	82.4	37.0	3.9	1.45
Jay L. Hoover B8	38.5	86.7	36.4	3.9	1.43
Dennis J. Myers 3	49.0	77.6	35.3	4.0	1.42
Eugene M. Kilgore B8	44.1	82.9	33.8	4.2	1.41
Vincent C. Webb B8	65.9	89.3	38.1	3.7	1.41
J. H. & M. B. Hushon B8	83.1	86.4	35.6	3.9	1.39
Albert Dehoff B8	109.7	90.6	37.4	3.7	1.38
Desota & Robt. Burchett B8	109.8	88.5	35.6	3.9	1.38
C. Robert Kilgore B3	41.0	88.7	33.3	4.1	1.37
Little Creek Fms. Inc. B3	144.9	84.4	35.7	3.8	1.37
J. Donnell Taylor B3	73.6	85.3	38.4	3.6	1.37
Elwood T. Krick B3	73.6	88.3	35.4	3.8	1.35

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
David Stewart Ada	3	7-4	305	20,363	5.1	1036
Bonnie	3	3-9	305	17,485	4.0	707
Jessie	3	4-9	284	16,707	4.3	716
Susquehanna Dairy Fm.						
Lolly 94	3	8-1	305	16,180	4.5	736
Hetti 89	3	6-4	305	16,631	3.8	627
Sue 24	3	3-11	305	15,868	3.5	548
Fro 75	3	3-3	305	15,731	4.1	638
26	3	3-9	305	19,510	3.0	586
Fawn Valley Farm						
Sharon	3	7-10	305	13,734	4.1	569
Trixie	3	6-2	305	13,025	4.4	568
Curtis V. Thompson						
96	3	3-11	269	16,837	3.5	593
117	8	2-7	305	16,617	3.6	592
William H. Fantom						
24A	3	6-2	305	16,268	3.3	533
Ellis Crowl						
S. Bell	3	4-8	305	14,351	4.2	607
B54	3	2-7	305	12,356	4.0	500
Sinking Spring Fm. Inc.						
Carol	3	7-9	305	22,540	4.3	973
Kathy	3	5-10	275	15,193	4.2	632
Lila	3	3-5	305	17,526	3.6	637
Jerry	3	3-4	305	14,672	4.0	592
Mavis	3	2-3	305	21,539	3.0	654

(Turn to Page 138)

HIGH PRESSURE WASHING

OF POULTRY HOUSES AND VEAL PENS

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Phone: 717-464-2044

New slant for fast silo filling

The International 56 blower fills tall silos faster because its auger feed is slanted 45° to the blower rather than the conventional 90° feed. Material moves directly, faster to the high speed blower. You get high-capacity—up to 70 ton per hour of haylage—and use less power to boot. Get the 56 blower for fast, economical silo filling.

- Big 56-in. rotor has 6 adjustable, replaceable paddles for top capacity and long life
- Rotor easily serviced because the hinged outlet swings clear
- Transport wheels adjust for clearance, leveling and height
- For tractors with 35 PTO hp and up

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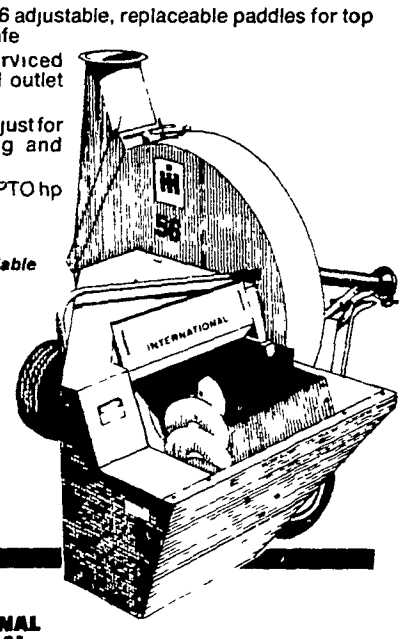

International® 56 Blower

INTERNATIONAL AGRICULTURAL EQUIPMENT

SWOPE & BASHORE, INC.

RD 1, Myerstown, Pa.
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Fast acting, long lasting, systemic sucker control!

There's really only one reason so many Lancaster County growers have switched to Royal MH-30.® It does a fast, consistent job.

They watched it work in neighbor's fields, saw the results of University trials, then proved it to themselves on their own acreage.

Royal MH-30 flows right into the plant and is working in half the time of regular MH-30,® greatly reducing the danger of wash-off from unexpected afternoon showers.

Yet even though it's significantly more efficient, Royal MH-30 is relatively low in cost. Produces a high return for every dollar invested. It's easy to apply, 25-35% more effective than MH-30, and even kills small suckers that have emerged on tender, fast-growing tobacco.

If you want full-season sucker control, use Royaltac® to kill early suckers, then follow through with systemic Royal MH-30. Two outstanding products from the world's leading producer of tobacco growth regulants. Uniroyal Chemical, Division of Uniroyal, Inc., Naugatuck, CT 06770

Royal MH-30

UNIROYAL

As with all agricultural chemical products, Royal MH-30 and MH-30 should be used at labeled rates. University research has shown no increased benefits from using excessive rates.

June IS DAIRY MONTH...

—CALL US FOR SPECIAL TANK PRICES THRU JUNE 30TH—

MUELLER FRE-HEATER™

EXPLANATION OF THE REVOLUTIONARY NEW MUELLER "FRE-HEATER™" FOR THE DAIRY FARM

Bulk milk coolers on modern dairy farms remove heat from the milk promptly after it is produced To accomplish this requires refrigeration machines and they are generally of the air-cooled type Air-cooled condensing units literally "throw away" this valuable heat.

On these same farms, large amounts of hot water are needed for "prepping" the cows, washing the milk cooler, the pipeline milker, other equipment, and the milking parlor itself. It is also advantageous to heat the cows' drinking water in winter

The Mueller Fre-Heater conserves energy and provides "free" hot water by capturing the heat now wasted!

HERE'S HOW IT WORKS:

Rather than using noisy, dust-creating fans with fragile, dirt collecting air-cooled condensers, the refrigerant is routed to a specially designed condenser/heat exchanger and its heat is transferred to the water

A thermostatically controlled valve delivers 145° F water to the storage tank

In addition to the thermostatic valve, a mixing valve is provided to permit "prepping" temperature water

Thus, the Fre-Heater delivers two temperatures of water — prepping and washing

Tests indicate the Fre-Heater consumes 10% less power than an air-cooled system . . . and you get Free Hot Water!

ELIMINATES REFRIGERATION SERVICE PROBLEMS!

The most common causes of slow cooling in bulk milk cooling systems are related to the air-cooled condenser

Three things which frequently reduce the efficiency are

1 Poor air circulation and recirculation
2 Fan-motor failures
3 Dirty or clogged condenser fins

Air-cooled condensing units are generally installed out of doors in order to assure adequate air supply to the condenser. This exposes the compressor to extreme ambient temperatures. Starting problems and compressor failures have resulted and air-cooled condenser units are always noisy

The Fre-Heater eliminates these problems because:

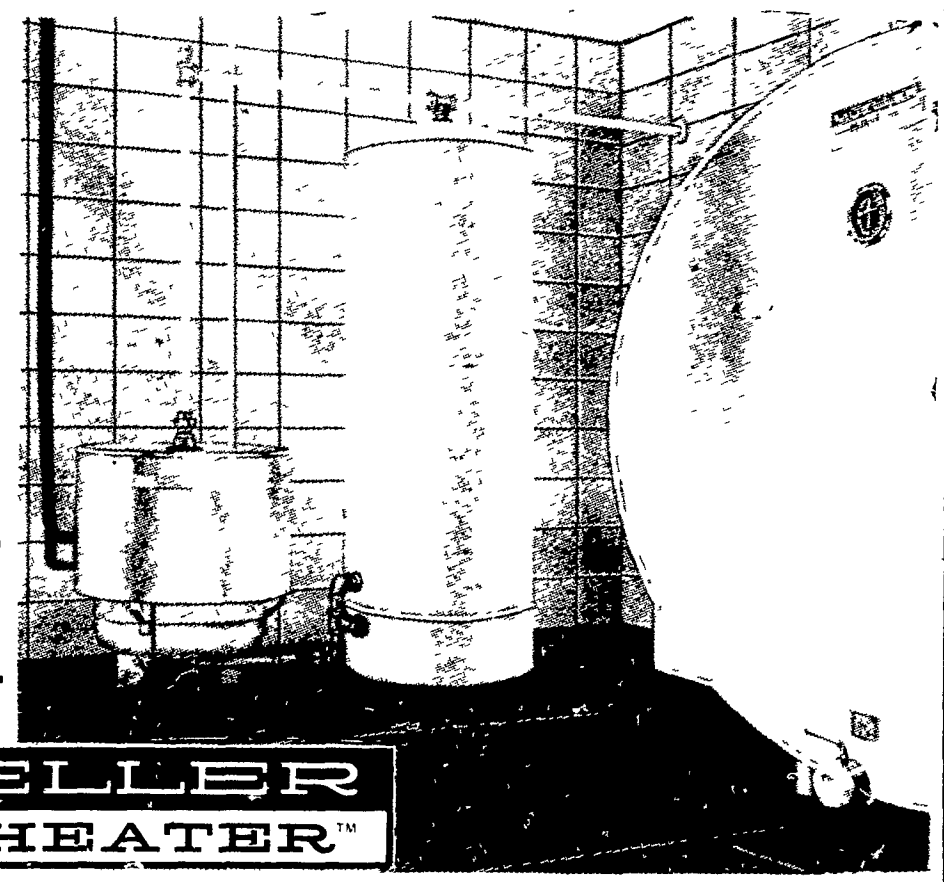
- There is no air-cooled condenser.
- The Fre-Heater is installed indoors.
- There are no fans to generate noise.
- The head pressure is very stable — assuring longer compressor life.
- There are *no* cold weather starting problems, plus

. . . the Fre-Heater conserves energy and produces Free Hot Water!

MAKE ME A BULK MILK COOLER THAT HAS EVERYTHING!

Save energy and get FREE HOT WATER...

with the revolutionary...

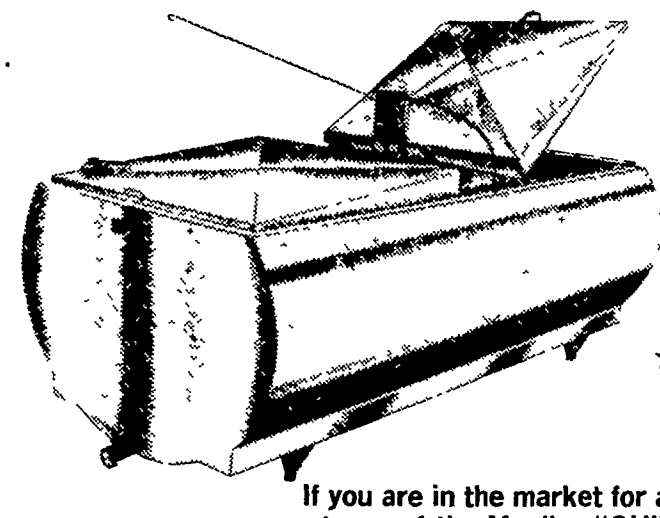


MUELLER FRE-HEATER™

DAIRY MONTH SPECIAL

THE ALL STAINLESS STEEL MODEL-C FRE-HEATER FOR ALL BULK TANKS

MUELLER Bulk Milk Coolers



THE MUELLER MODELS OH, MHL, AND MW WITH HIPERFORM MAKE ALL OTHER BULK MILK COOLERS OBSOLETE.

SEE THE MUELLER NEW MODELS

★ 500 MW ★ 600 MW

The "MW" is one of the Lowest pouring Height Bulk tanks. Check with us all the new features of the "MW" bulk tank.

If you are in the market for a bulk milk cooler and you don't check all the advantages of the Mueller "OH" "MHL", and "MW" you may be buying an obsolete cooler.

USED TANKS

375 gal. DeLaval
400 gal. DeLaval
500 gal. Milkeeper
600 gal. Milkeeper
350 gal. Esco
425 gal. Esco
625 gal. Esco
650 gal. Esco

(2) ~~(3)~~ 300 gal. Mojonnier
400 gal. Mojonnier
500 gal. Mojonnier
600 gal. Mojonnier
1000 g. SOLD onnier
400 gal. Dari-Kool
1000 gal. Dari-Kool
D-2 500 gal. Girton

D-2 400 gal. Girton
500 gal. Wilson
2-400 gal. Jamesway
300 gal. Sunset
400 gal. Sunset
735 gal. Sunset
500 gal. Mueller

USED DIESEL

1-Cyl. Deutz
(2) DVA 1500 Slanzis
SR2 Lister

CONTACT QUEEN ROAD REFRIGERATION TO SEE A MUELLER FRE HEATER IN OPERATION, RIGHT ON THE FARM.

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OR Answering Service 354-4374 24 Hour Service
We Stock Hess' Farm Supplies, Check Our Prices On Animal Medications.

USED TANKS AND MILKING EQUIPMENT IN STOCK

York County DHIA

(Continued from Page 136)

Rutter Bros.						
Pet	2	8-	282	12,956	4.7	606
Essie	2	5-3	305	12,392	5.0	624
Ola	2	3-7	305	13,511	5.6	757
Sara	2	3-3	296	10,722	5.2	559
Pam	2	2-4	305	10,158	5.3	536
Beshore Farms						
Jamie	3	8-6	265	12,730	4.1	519
Alda	3	3-1	305	21,595	3.5	758
Gum Tree Farm						
Trojan	3	5-6	305	17,660	3.7	661
Albert Dehoff						
123	3	3-7	305	17,157	3.7	631
Fred Sprenkle						
Aunt	3	6-6	305	18,726	3.4	646
Genie	3	2-5	284	16,249	3.3	544
Thomas A. Boyer						
April	3	2-1	304	15,836	3.6	571
Ann	3	2-4	297	13,509	4.2	567
Andi	3	1-11	293	15,685	3.3	510
Earl Fuhrman						
Nell	3	8-6	305	15,245	3.4	519
Ranell	3	3-5	301	13,870	3.9	540
Guy A. Leader & Sons						
Jill	2	4-4	305	14,735	5.0	744
Camay	2	4-10	305	14,439	5.1	733
Dot	2	2-11	305	13,517	4.8	649
Leila	2	2-4	305	10,918	5.2	564
Vincent C. Webb						
166	3	5-9	280	17,546	4.1	714
Roy & Frank Feeser						
Rhoda	3	5-8	305	20,100	3.4	683
Inka	3	5-7	296	16,884	3.7	627
13B	3	4-11	251	15,716	3.2	508
H. E. Fetrow & Sons						
Lora	3	7-1	305	19,109	3.8	719
Whitie	3	3-9	305	18,365	3.1	561
Sally	3		305	13,513	4.1	555
Shirley	3		305	17,783	3.9	698
Ralph E. Bentzel						
Linda	3	5-3	305	17,075	3.5	591
Stump Acres						
Lady	3	6-2	305	14,759	4.2	616
J.H. & M.B. Hushon						
110 E	3	4-10	305	14,216	3.9	560
54	3	3-5	305	13,230	4.4	582
Adrian Rinehart						
21	3	6-8	305	17,184	4.1	696
77	3	3-4	305	15,088	4.0	604
Robert R. Stewart						
Gigi	3	5-7	279	15,248	4.0	605
Lori	3	5-7	140	11,518	3.4	504
Joyous	3	2-9	305	16,673	3.6	605
Jocobs & Stambaugh						
21	3	7-4	283	12,643	4.0	500
Smysers Richlawn Fm.						
Jan	3	7-10	305	21,281	3.8	815
Lucy	3	4-8	279	17,815	4.2	748
Rosie	3	4-1	305	17,386	3.9	671
T. Edwin Johnson						
Star C	3	7-5	265	13,509	4.2	562
Leroy Bupp						
Maple	3	4-4	305	13,989	4.3	601
Sarah	3	3	305	18,317	3.4	615
Jule	3	6-3	285	15,148	3.5	532
Hidden Springs Farm						
Marta	3	7-4	305	17,411	3.6	630
Holly	3	5-5	297	17,110	4.8	829
Faith	3	3-3	305	14,753	3.9	568
Rozella	3	2	305	13,330	4.4	583
Dennis L. McWilliams						
11	3	8-1	305	15,624	3.5	545
50	3	5-11	302	14,366	3.6	515
83	3	4-11	305	15,446	3.4	524
64	3	4-2	303	16,955	3.1	530
Dennis J. Myers						
Marty	3	4-3	305	20,070	3.9	775
Titus & Merle Walker						
9093	3	6-7	305	15,507	3.6	559
6644	3	3-2	305	14,797	4.2	622
6415	3	2-8	305	14,530	4.1	592
C. Robert Kilgore						
11B	3	8-4	305	15,004	3.7	549
Jessie	3	6-10	305	14,550	3.8	554
Phillip D. Laughman						
Dianne	3	5-4	305	19,654	3.2	633
Peggy	3	3-3	302	16,774	3.4	575
Avalong Farms Inc.						
Martha	2	10-11	305	13,621	4.1	561
Janell	2	4-4	305	16,363	5.3	871
Lark	2	6-2	305	12,456	4.9	606
Philip R. Stambaugh						
Betsy	3	8-4	305	14,886	3.5	524
Jo	3	10-2	305	12,462	4.1	508
Paul R. King						
VII	3	4-9	305	18,799	3.7	689
Gypsy	3	4-3	273	14,831	3.7	555
Wayne B. Mummert						
50	3	7-4	305	21,722	3.9	855
13	3	7-5	304	14,364	4.2	598
8	3	6-8	255	13,910	3.7	519
27	3	6-11	305	18,947	3.7	710
46	3	2-1	277	11,297	4.7	526
Desota & Robt. Burchett						
3 Aw	3	9-4	305	13,415	3.8	512
Dale & Darla Doll						
Snowball	3	6-8	305	16,270	3.9	639
Carol	3	5-3	294	16,825	3.4	573
Belle	3	4-2	297	13,515	3.8	510
D. Fantom & E. Gordon						
Karen	3	5-11	305	12,250	4.4	537
Lynn Wolf						
Cookie	3	4-9	305	21,357	3.1	670
Emily	3	3-2	305	21,684	3.3	707
Flo	3	2-3	305	14,655	3.6	529
Melvin Diem Jr						
73	3	3	305	18,106	3.6	655
18	3	2-8	305	18,129	3.6	647
51	3	2-10	298	12,165	4.4	535
Ramsey S. Cooper Jr						
Abagal	3	5-10	305	14,327	3.7	536
Robert J. Reheard						
Hazel	3	6-3	305	14,574	4.1	591
Marion	3	4-3	305	17,151	4.3	730
Mamie	3	3-6	305	13,299	4.2	557
Melvin R. Lehr						
111	3	5-3	305	16,010	4.1	650
29	3	5-3	305	14,514	3.8	549
19	3	2-11	305	13,552	4.0	543
46	3	4-1	301	16,688	4.0	675
Horace E. Heindel						
Bea	3	8-2	305	16,516	4.2	689
163	3	4-8	305	19,007	3.7	708
Robert W. Mays						
61	3	8	305	20,148	2.8	561
50	3	5	305	18,730	3.2	595
39	3	4-3	305	19,551	3.1	609
51	3	4-2	298	15,562	3.2	504
56	3	4-2	301	15,806	3.6	568
18	3	4-4	302	17,570	3.5	623
14	3	2-5	305	15,817	3.9	623
21	3	2-4	305	16,777	3.9	650
Carl Anderson						
5	3	7-3	262	15,197	3.6	543
Fred Kimmel						
Princes	3	7-7	305	16,788	4.3	717
John H. Doll Jr						
Sue	3	10-10	305	16,117	3.5	557
Harold Good #3						
Chris	3	2-1	305	16,445	3.7	611
Little Creek Fms. Inc.						
74	3	5-10	305	14,372	3.6	513
43	3	4-3	305	19,332	3.0	589
96	3	1-11	305	14,877	3.4	513
Wayne L. Sweitzer						
Micki	3	4-2	304	18,301	3.5	643
Ivy	3	4-	305	21,341	3.0	634
Janie	3	1-11	305	14,575	3.6	529

(Turn to Page 172)

GLICK'S
ROOFING & SPOUTING
Handler & Installer Of
BAKED ENAMEL TIN ROOFS
Colors: Turquoise, Red, Olive Green, Rust, Brown, White and Plain.

Sizes: 5 ft. up to 36 ft. All in one. Also cut to exact length.

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717-354-4341
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717-397-5538

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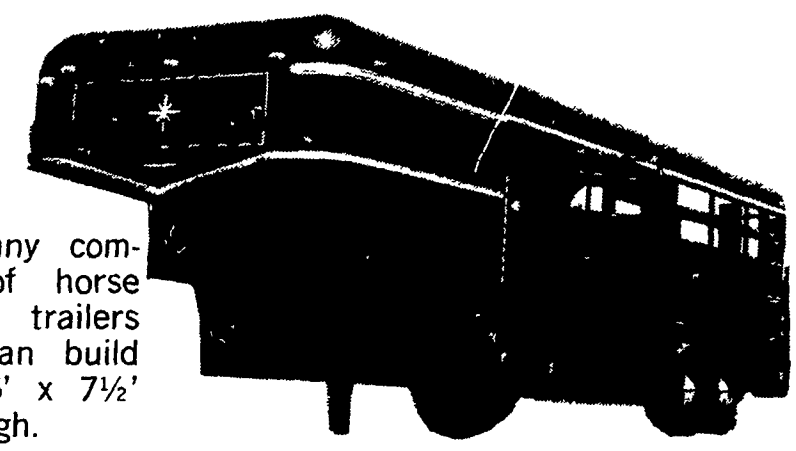
BUILT BY STOCKMEN FOR STOCKMEN



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June is dairy month

We salute the dairy farmer.

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THINK case

FROM BIG TO LITTLE

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Chocolate milk doesn't cause tooth decay

ROSEMONT, Ill. – For many children chocolate milk is a delicious way to obtain the nutritional benefits of milk. Yet erroneous statements have been made that chocolate milk is a cause of dental cavities and that it prevents full absorption of calcium.

While sucrose (sugar) has been shown to cause cavities, this occurs through sugar clinging to teeth. Sugar combines with plaque on the teeth to create acid which in turn decays the teeth. But the form of the sugar must be considered. In candy and other sticky foods, the sugar remains in the mouth for a relatively long period of time. The sugar in milk is in a fluid form that is drunk quickly, thus it is not in contact with teeth for a prolonged period.

Certain components of chocolate milk actually appear to have a protective quality against decay. Milk proteins have been shown to harden teeth, thus making decay less likely. Cocoa powder partially inhibits development of cavities in laboratory animals. And milkfat, due to the ability to produce a protective oily film on the tooth surface, serves as a barrier to acid penetration into the enamel.

Noted nutritionist Dr. Jean Mayer has said, "As for chocolate milk, it is hard to condone the use of unlimited sweets as meals, but cutting them out completely is probably a rather drastic step ... Put a reasonable limit on chocolate milk – say, no more than one glass per meal, or make it available at only one meal a day."

Oxalic acid, found in chocolate milk, inhibits calcium absorption by forming an insoluble salt. However, there is very little oxalic acid in chocolate milk, and the amount of milk calcium rendered insoluble is significant. The American Medical Association has stated that there need be no concern over this issue.

Ventilation key to poultry production

LANCASTER – Fresh air is the most essential and least expensive item used in producing poultry and eggs. Three billion cubic feet of air may be moved through a poultry house in a year. This is about 112,000 tons of air. Therefore, a single fan must be clean, lubricated, and well powered so that it can move 10,000 tons or more of air each year.

The following is a checklist to examine the condition of fans in a poultry house:

–Remove all dust, dirt and feathers from blades, louvers, belts, pulleys and motors once each month.

–Lubricate all bearings that may cause excessive friction.

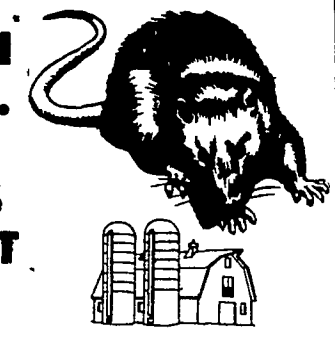
--Replace bearings, motors, pulleys, belts, or blades if they get damaged or worn and are not working properly.

–Keep louvers clean, lubricated and in good operating condition - if they are not cared for, they reduce air flow and lower fan efficiency.

–When installing fans, make certain the electrical wire is the right size so as to give the fan motor its full needs in electric power supply. Wire too small reduces the flow of electricity.

–Allow the right amount of inlet space so as not to choke off air flow. About 12 square inches of inlet is needed for each 50 cfm of fan capacity. The amount of inlet space should always be adjustable so that you have it open in hot weather and nearly closed in cold weather. During warm weather, good ventilation becomes very important.

ATTENTION FARMERS... FREE ESTIMATES ON RODENT CONTROL



RODENTS carry diseases which can endanger the health of your flocks. **Your** business is raising the flocks. **Ours** is protecting them.

Ehrlich

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Lancaster County DHIA Monthly Report

April 1978

A registered Holstein cow owned by Britain Acres Farm, Peach Bottom, completed the highest 305 day lactation. She produced 25,552 pounds of milk, 1,150 pounds of butterfat with a 4.5 per cent test. Second high lactation was completed by a registered Holstein cow owned by Naaman W. Stoltzfus, Kinzers. Jammy produced 23,805 pounds of milk, 957 pounds of butterfat with a 4.0 per cent test in 350 days.

The herd of Robert Kauffman Jr., Peach Bottom, had the highest daily butterfat average. This herd of 87 registered and grade Holstein cows averaged 57.0 pounds of milk, 2.37 pounds of butterfat with a 4.2 per cent test. The herd of Melvin R. Eby, Gordonville, placed second. This herd of 52.3 registered Holstein cows averaged 62.0 pounds of milk, 2.33 pounds of butterfat with a 3.8 per cent test.

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS. FAT
Britain Acres Farm						
22	RH	5-5	305	25,552	4.5	1,150
104	RH	5-3	305	26,044	2.8	722
69	RH	6-8	305	16,298	4.3	706
75	RH	6-9	305	17,292	3.9	666
108	RH	5-5	288	20,346	3.3	662
Naaman W. Stoltzfus						
Jammy	RH	9-8	305	23,805	4.0	957
Sunny Craft Farm						
Kate	RH	3-11	305	24,120	3.8	926
Henry E. Kettering						
Jessie	RH	5-0	305	22,152	4.1	919
Eva	RH	3-6	305	20,603	3.8	783
Kathy	RH	3-5	305	17,138	4.4	755
Ann	RH	6-8	305	20,132	3.5	706
Echo	RH	3-2	305	16,762	4.1	682
Dorie	RH	4-6	305	17,507	3.8	665
Donald R. Bare						
90	RH	6-3	305	21,255	4.3	912
Calvin D. Beiler						
Nim	RH	5-8	305	21,243	4.3	912
Nanette	RH	8-5	305	21,487	3.6	777
Elam P. Bollinger						
Jackpot	RH	5-7	305	23,171	3.9	898
Jubilee	RH	6-4	305	21,517	3.6	784
Peepers	RH	2-2	305	14,758	4.7	688
Ivan S. Stoltzfus						
Millie	RH	3-4	305	21,905	4.1	897
Brenda	RH	7-10	305	20,687	4.0	826
Nancy	RH	3-5	305	19,263	4.1	793
Bert	RH	6-10	305	20,925	3.7	771
Earl L. Hershey						
217	RH	5-6	305	18,921	4.7	896
245	GrH	3-6	305	18,554	4.0	737
Jay C. Garber						
Linnie	RH	5-8	305	22,203	4.0	883
LIdlee	RH	6-3	305	22,854	3.5	806
Lfrndal	RH	5-5	305	19,203	3.8	725
Lhbarta	RH	6-2	305	19,120	3.7	698
Pnfolly	RH	2-2	305	18,287	3.8	696
Jolly	RH	7-4	305	15,992	4.3	692
Nexviol	RH	3-11	305	18,034	3.8	682
Pneilli	RH	1-11	305	14,856	4.5	663
Mhrmsby	RH	4-11	289	15,748	4.1	644
Galen W. Crouse						
Belle	RH	5-11	305	22,466	3.9	882
Fransy	RH	4-4	305	19,667	3.6	702
Suzette	RH	4-5	305	23,849	2.8	665
Ivan Zook						
9	GrH	7-11	305	22,103	3.9	863
29	GrH	4-2	298	16,077	4.3	688
58	Mix	4-4	305	18,025	3.8	677
62	GrH	2-4	305	14,001	4.8	670
Kenneth D. Myer						
Goldie	RH	4-9	305	21,190	4.1	862
Angel	RH	4-4	305	18,468	3.6	673
Norma	RH	6-1	305	18,721	3.5	654
Jonas O. Sensenig						
10	GrH	5-5	305	21,263	4.0	853
39	GrH	8-1	301	16,226	4.5	726
Earl S. Weaver						
Naty	RH	5-10	305	22,772	3.7	843
Flame	RH	5-8	305	20,584	3.8	780
Lena	GrH	3-10	305	21,301	3.3	697
Curtis E. Akers						
Sarah	RH	8-8	305	20,082	4.2	840

(Turn to Page 142)

Need . . .

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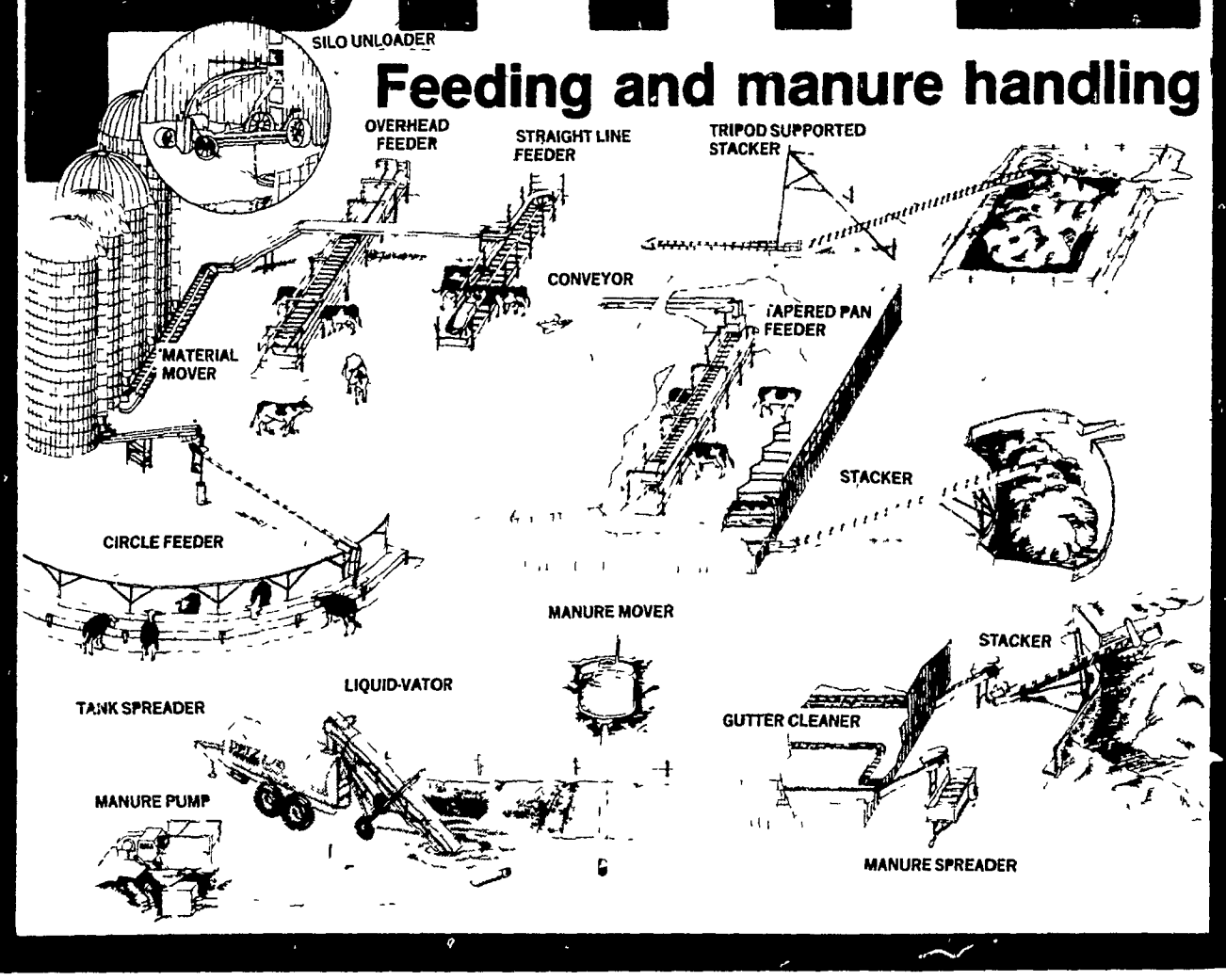

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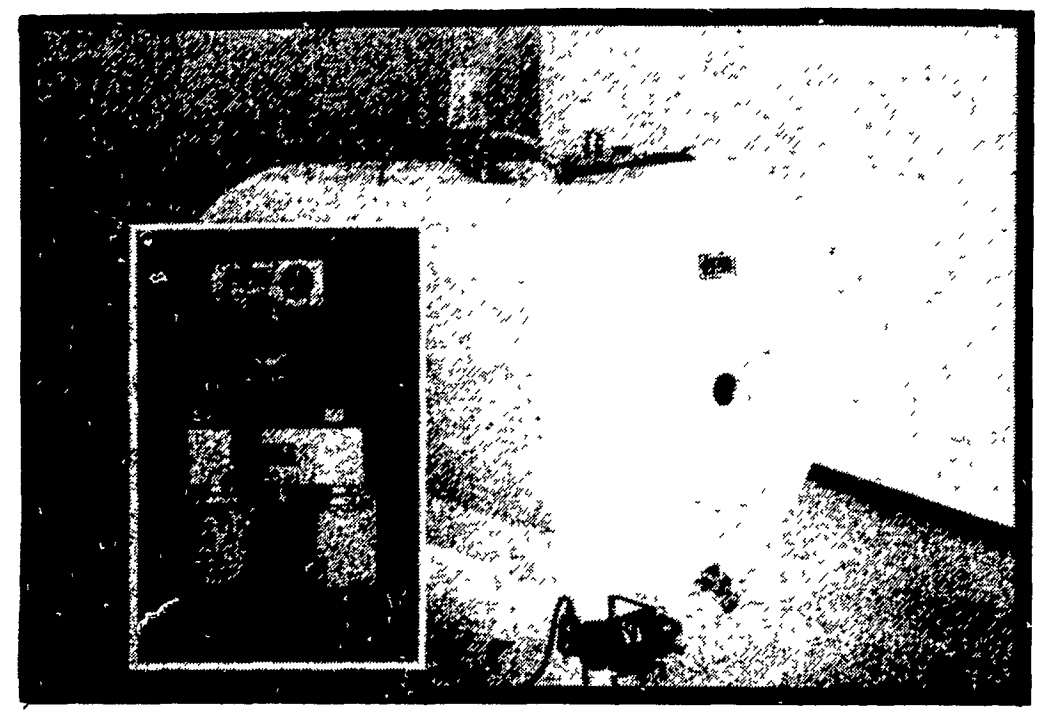

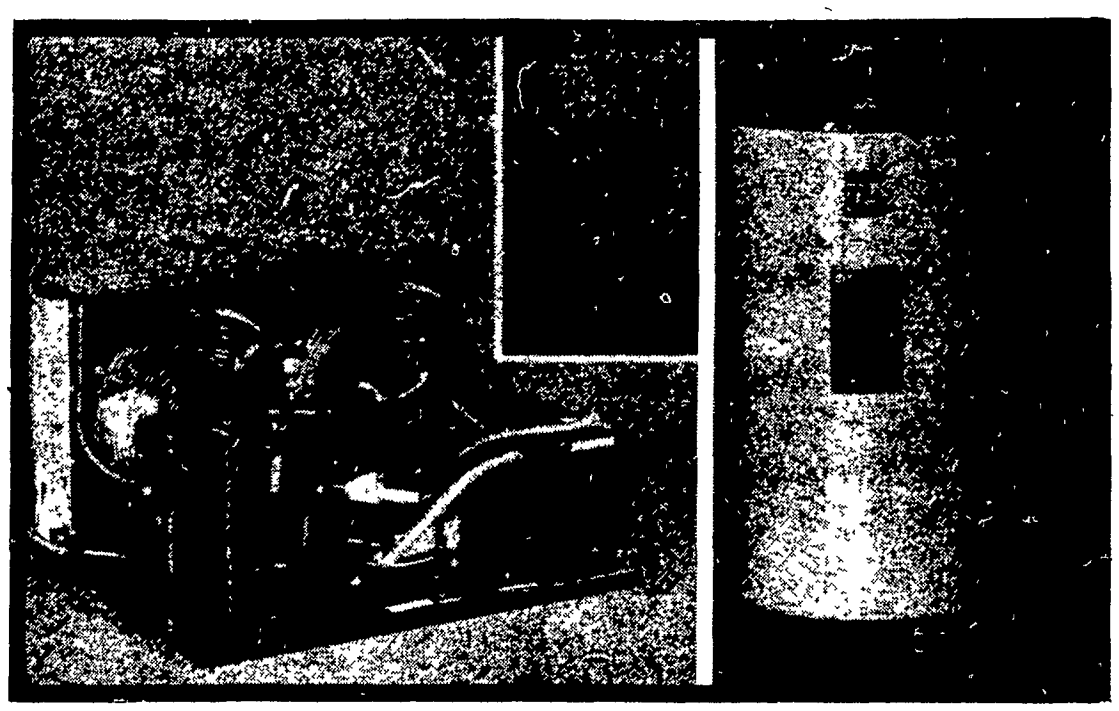

The Surge ARC energy converter picks up heat at the condenser and transfers it to water which is held in the Surge insulated storage tank. Condenser heat from your cooling system becomes a free energy source for heating water for prepping and sanitation.

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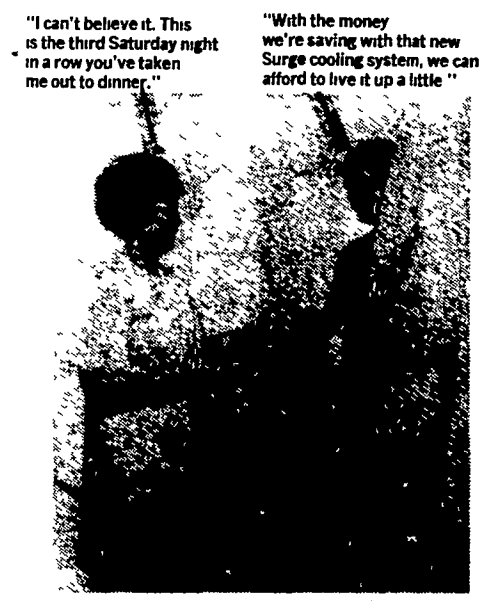
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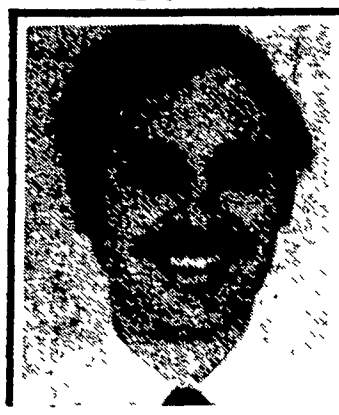


Facts for Dairymen

By Alan Bair
Assoc. County Agent
Lancaster, Pa.

Nothing raises the blood pressure of a dairy farm wife quicker than hearing the words: "The cows are out and headed for the garden!" If you turned one cow loose in the middle of a thousand acre farm that contained a garden with 20 petunias and 16 strawberry plants - in no less than three minutes the cow would put 28 very deep foot prints in that garden with no regard to the foot path!

You can be sure that as long as we have cows, they will not always be where they belong. This does not mean that we shouldn't try to keep them where they belong! I am constantly amazed that many people are not injured, machinery damaged and cows lost due to negligence on the farmers part in providing proper restraint for his cattle.

Sure accidents will happen - I don't think too many people let their cows out on purpose, but let's not give the cows the sole responsibility of staying in on their own. Proper fencing is expensive, but so are the consequences. We can put a value on a lost animal and even on a damaged lawn or garden, but what about human injury caused by your cow and due to your negligence?

It is worth the expense and effort in controlling your animals. Take a minute to give your farm an animal security check. More is at stake than one more strawberry pie. Besides, having your cows go through your neighbors' lawn is a poor way to celebrate June as dairy month!

xxx

Several weeks ago Larry Specht and I spent a day working with farmers on breeding and selection in their herd. Larry is one of our dairy specialists that work in the areas of breeding and genetics.

During the course of the day the subject of abnormalities came up several times. According to Larry, there are a number of abnormalities in dairy cattle that have a genetic cause. In the past few years there have been three conditions that occurred frequently enough to cause concern. These are **Limber Leg** in Jerseys and **Mulefoot** and **Pink Tooth** in Holsteins. Recently, two new mulefoot carrier bulls have been identified in the Holstein breed. The undesired recessive gene was carried on the maternal side of the pedigree. In both cases, the maternal granddam was sired by a known "carrier" of mulefoot.

Use of "carrier" bulls in AI may not seem like an important issue since very few affected calves will be found. However, if the bull escapes detection during his progeny test and returns to regular service he will "seed" the condition in one-half of his off-spring. Use of other carrier bulls on such animals would result in a substantial number of affected calves.

Most AI units take strong measure and eliminate the carrier bull, his stored semen, and any of his sons that might be destined for their young sire testing program.

Undesirable recessive traits in dairy cattle will always be with us. We will not be able to eliminate them completely from the population, but we must keep their frequency of occurance at an absolute minimum.

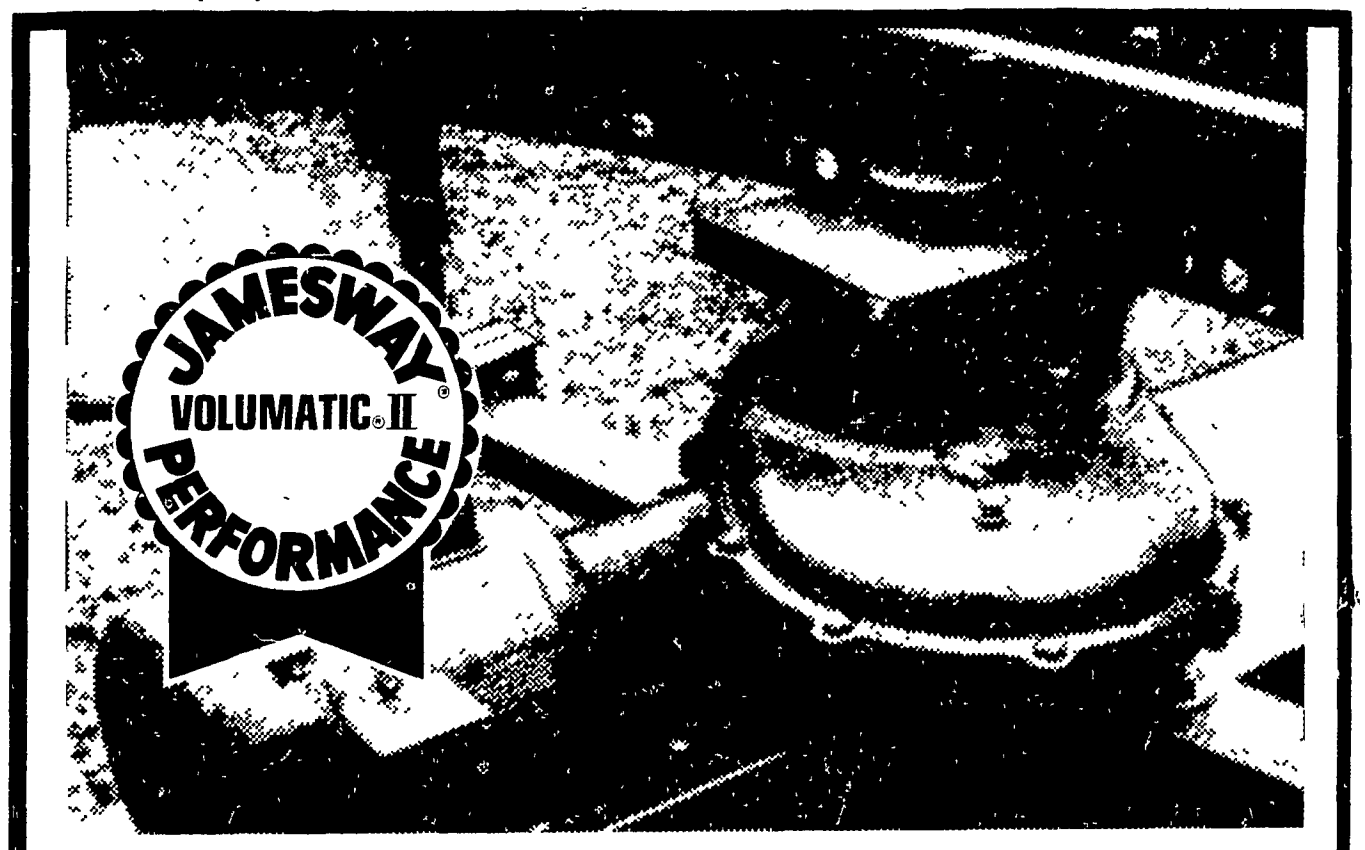
This lesson in genetics brings out the importance of proper identification of all animals in your herd, and using proper sires that have had their genetic background checked for undesirable genes.

Lancaster Co. DHIA

(Continued from Page 140)

Kenneth G. Groff						
Betsy	GrH	6-10	305	22,737	3.7	839
Wilbur N. Erb						
2	RH	4-3	295	17,258	4.8	836
Elam B. Rutt						
Rose	RH	7-1	305	25,836	3.2	835
Pride	RH	7-4	305	21,566	3.8	814
Karan	RH	4-10	305	20,903	3.9	813
Jean	RH	3-8	305	21,735	3.6	777
Star	RH	6-11	297	18,524	3.9	717
Holly	RH	4-7	305	22,931	3.1	711
Stephen J. Stoltzfus						
Sally	RH	5-5	305	19,369	4.3	831
Bennie L. Fisher						
Elsie	RH	5-1	305	18,449	4.5	830
Abram M. Stoltzfus						
Hall	RH	5-2	305	24,090	3.4	828
Whity	GrH	4-11	305	19,090	4.1	784
Anna	RH	4-0	289	18,075	4.0	714
Carol	GrH	5-0	305	15,504	4.3	670
Furry H. Frey						
Karry	RH	6-1	305	19,771	4.2	828
Hope	RH	3-0	305	18,062	4.1	749
J.Z. Nolt						
Tim	RH	3-8	305	21,927	3.7	826
Ellis D. Kreider						
60	GrH	7-11	305	18,959	4.3	820
114	GrH	2-4	305	18,481	3.7	680
Daniel W. Fox						
Carol	GrH	3-3	305	19,585	4.2	816
G.M. Weaver						
Val	RH	6-5	305	17,945	4.5	816
Paul S. Horning						
Patsy	GrH	5-7	305	22,803	3.6	815
Lucky	RH	2-6	305	16,443	4.0	662
Cris	GrH	8-4	282	19,166	3.4	661
John W. Martin Jr.						
19	GrH	7-1	305	22,645	3.6	812
50	GrH	4-1	305	19,373	3.4	660
27	GrH	4-10	305	16,108	4.0	640
Robert Kauffman Jr.						
Valerie	GrH	9-8	305	18,903	4.3	807
Kam	GrH	3-7	305	25,883	3.1	806
Adel	RH	4-0	298	16,048	4.8	765
Donna	RH	2-11	305	20,731	3.3	681
Joyful	RH	2-0	305	17,358	3.8	666
Bethany	RH	2-11	298	18,789	3.5	662
Dot	RH	3-6	292	14,180	4.6	652
Titus B. Stoner						
Hector	GrH	8-0	305	21,685	3.7	803
Twila	RH	5-1	305	19,208	3.4	645

(Turn to Page 143)



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Lancaster Co. DHIA

(Continued from Page 142)

Paul D. Welk						
Shirley	RH	4-8	305	17,997	4.4	796
Sally	RH	3-6	305	16,272	4.2	684
John F. Stoltzfus						
Shirl	GrH	7-4	305	19,160	4.1	794
Missy	GrH	4-1	287	17,115	3.8	652
Isaac K. Eby						
Patsy	RH	4-9	305	17,366	4.6	791
Springarden Farm						
Arlene	RH	6-2	305	21,761	3.6	788
Suzie	RH	5-9	305	16,364	4.4	715
Trudy	RH	3-4	298	18,601	3.6	673
Ammon E. Reiff						
Lou	RH	5-7	305	19,667	4.0	787
Rockett	RH	2-8	305	17,459	4.0	701
Paul B. Zimmerman						
Amanda	RH	8-4	305	17,321	4.5	785
Ray P. Bollinger						
Nan	RH	6-10	305	22,284	3.5	784
Amos M. Stoltzfus						
Laura	RH	9-0	305	22,907	3.4	781
Paul H. Martin						
Ebony	RH	4-5	283	16,791	4.6	780
Dixie	RH	4-6	305	18,185	3.8	682
Ken & Joanne Hershey						
Lou	RH	6-10	305	20,373	3.8	779
Pam	RH	5-3	305	21,946	3.5	776
Grace	RH	8-6	305	18,483	3.6	671
Linda	GrH	3-7	305	17,332	3.8	652
Paul H. Rohrer						
5	GrH	7-6	286	19,852	3.9	777
73	GrH	4-11	305	19,510	3.7	724
Mervin Sauder						
Joy	GrH	2-9	305	17,579	4.4	773
Brinton & Eager						
Jill	RH	6-11	305	18,041	4.3	768
Willis S. Nolt						
42	RH	4-6	305	17,149	4.5	768
17	RH	2-3	303	17,849	3.7	668
20	RH	3-5	290	16,684	4.0	666
David B. King						
Besta	RH	10-1	305	19,370	3.9	765
Rose	RH	2-5	305	18,112	4.0	720
Emanuel S. Smucker						
Maud	RH	6-8	305	21,454	3.6	763
J.C. Pownall Est.						
43	GrH	8-2	305	21,214	3.6	763
Shag	RG	7-5	305	16,706	3.9	644
Samuel M. Martin Jr.						
Cherrio	GrH	3-10	305	20,303	3.8	763
Peppy	GrH	5-4	305	21,655	3.1	679
Kate	GrH	4-11	286	18,696	3.6	669
Sylvia	GrH	3-9	284	17,924	3.6	645
Paul Sauder						
Naomi	RH	4-6	305	19,371	3.9	761
Ressler & Stoltzfus						
Ada	RH	7-9	305	20,234	3.8	759
Alma	RH	2-8	294	13,785	4.8	663
Robert L. Gruber						
48 Carl	RH	6-2	305	17,125	4.4	759
50 Elen	RH	2-11	305	16,729	4.3	726
90	GrH	8-8	305	19,362	3.6	694
88 Euni	RH	2-4	305	17,757	3.6	640
Edgefield Farms						
Milkway	RH	3-1	305	19,212	3.9	755
Sara	RH	6-3	305	18,591	3.7	693
Dimples	RH	7-2	305	16,084	4.3	687
Kelly	RH	6-11	305	16,033	4.3	684
Starlit	RH	10-10	286	14,429	4.5	645
Rohrer Brothers						
Sara	RH	9-2	305	18,598	4.1	755
Vickie	RH	4-8	305	20,070	3.7	733
May	RH	4-8	298	17,353	4.0	687
Paul V. Nissley						
Rae	GrH	9-2	305	17,458	4.3	754
Amos B. Lantz						
C. Bee	RH	7-10	305	23,224	3.2	750
Aaron S. Glick & Sons						
82	GrH	6-6	305	19,789	3.8	750
92	RH	3-8	305	17,369	3.7	643
Allen Lee Stoltzfus						
Perform	RH	6-7	305	19,389	3.9	750
Kitty	RH	2-11	297	18,979	3.5	661
LeRoy S. Weaver						
Ann	GrH	7-2	305	21,166	3.5	749
Mary	GrH	5-9	305	20,067	3.2	648
Carl G. Troop						
Limbo	RH	6-0	305	23,522	3.2	746
J. Robert Metzler & Son						
Zorra 27	RH	5-7	305	18,241	4.1	745
Rose 5	RH	4-7	305	18,722	4.0	743
Angela	RH	4-2	305	17,489	3.9	677
J. Mowery Frey Jr.						
Amy Joy	RH	5-1	299	20,411	3.6	743
Diana	RH	5-4	305	19,065	3.7	702
John J. Landis						
Gratis	RH	4-10	305	17,879	4.2	742
Isaac E. Hostetter						
Gladys	GrH	5-4	305	17,363	4.3	740
Harry L. Troop						
Beatric	RH	6-11	305	19,008	3.9	739
Nathan E. Stoltzfus						
Freda	RH	7-11	305	17,251	4.3	738
Jolly	RH	6-10	305	16,166	4.5	721
Weidler Grube						
Belle	RH	5-4	305	19,338	3.8	737
Marvin S. Nolt						
31	GrH	4-5	305	19,221	3.8	734
13	GrH	5-11	305	15,191	4.4	663

(Turn to Page 144)

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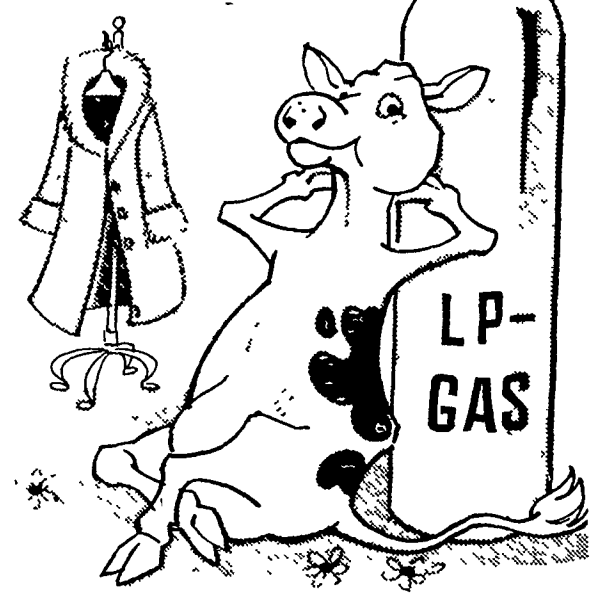

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Lancaster Co. DHIA

(Continued from Page 143)

J. Ray Ranck						
Lois	GrH	5-11	299	18,512	4.0	733
Sal	GrH	5-9	301	18,420	3.7	685
Melvin L. Shertzer						
Dody	GrH	3-9	305	18,082	4.0	730
Carol	RH	7-6	305	16,824	3.9	657
Jay E. Landis						
Babe	RH	7-10	305	18,281	4.0	725
Lucky	RH	5-9	305	18,587	3.6	661
John S. Wenger						
11 Kath	RH	4-0	305	19,480	3.7	718
58 Mily	RH	7-10	305	16,643	4.3	714
5 Marsh	RH	2-2	303	15,042	4.7	701
59 Cora	RH	5-11	305	15,585	4.4	692
2 Joyce	RH	4-0	302	15,621	4.2	656
David L. Landis						
Midget	RH	4-10	262	13,537	5.3	718
Fay	GrH	4-11	305	17,781	4.0	710
Betty	GrH	3-6	296	18,163	3.7	672
J. Richard Boll						
166	GrH	4-1	305	19,755	3.6	717
K.D. & Else Linde						
Erika	RG	2-3	305	16,064	4.5	717
Stella	RG	5-2	305	14,866	4.5	671
Melvin R. Eby						
Honey	RH	6-1	305	22,902	3.1	715
Robert F. & Joan B. Book						
Stacy	GrH	3-7	305	21,633	3.3	715
Emily	RH	3-7	305	19,514	3.6	701
Jean	RH	2-10	305	18,590	3.7	689
Marvin Reed						
Cher	RH	4-10	305	15,672	4.6	714
David McMichael						
4	GrH	5-5	305	16,680	4.2	707
W. Eugne Witwer						
Lucy	RH	7-9	305	20,194	3.5	706
Jonas B. Lantz						
Countes	RH	8-6	305	18,683	3.8	706
Tom Zartman						
114	RH	5-5	305	18,938	3.7	705
Ephraim D. Riehl Jr.						
Apache	RH	4-8	305	18,808	3.7	705
Roy H. & Ruth H. Book						
Butrcup	RH	5-5	305	17,299	4.1	705
Wilmer L. Shertzer						
73	RH	4-10	305	20,792	3.4	703
53	GrH	7-1	292	16,670	4.0	674
77	GrH	6-0	305	19,226	3.5	671
Joseph C. Wiveil						
Sylvia	RH	3-1	305	20,119	3.5	703
Carl L. Martin						
C. Fanny	RH	4-5	305	18,321	3.8	698
Honey	RH	6-6	305	15,279	4.5	683
Quarryville Presbyterian Home & David Weaver						
181	GrH	7-4	305	18,095	3.9	698
Ivan M. Hursh						
Bess	GrH	3-5	305	16,796	4.1	697
John L. Landis						
129	GrH	5-7	305	14,952	4.7	697
Robert C. Groff						
Swinger	RH	4-8	305	17,732	3.9	694
Ellis R. Denlinger						
Marcel	RH	3-0	305	14,469	4.8	693
Amos L. & Chris S. King						
510	GrH	6-11	305	15,307	4.5	692
67	GrH	5-7	305	17,231	3.9	674
Nelson B. Weaver						
69	GrH	3-11	305	15,170	4.6	692
Elvin H. Hess						
Janeta	GrH	4-7	305	18,157	3.8	691
John B. Groff						
Viola	RH	3-11	305	17,677	3.9	691
Dora	RH	4-7	305	16,066	4.2	669
Linda	RH	7-0	305	16,850	3.9	654
Parke H. Ranck						
Minnie	RH	8-5	305	14,170	4.9	691
Daniel S. Esh Jr.						
Petula	RH	5-7	292	19,254	3.6	690
Harold L. Weiler						
Dessa	RH	5-0	305	17,455	3.9	686
Aaron Lapp Jr.						
Marian	RH	4-7	305	15,564	4.4	686

(Turn to Page 146)

Buttermilk - is made by adding a special bacterial culture to milk to produce the desirable acidity, body, flavor and aroma characteristic of this product. Salt is usually added. Yellow flecks in some buttermilk are bits of real butter added for extra flavor.

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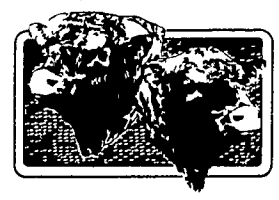

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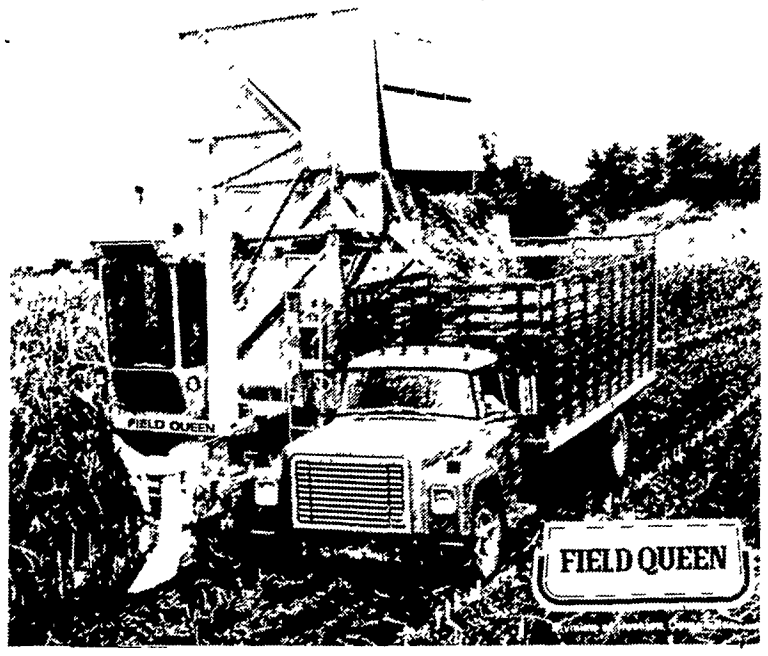

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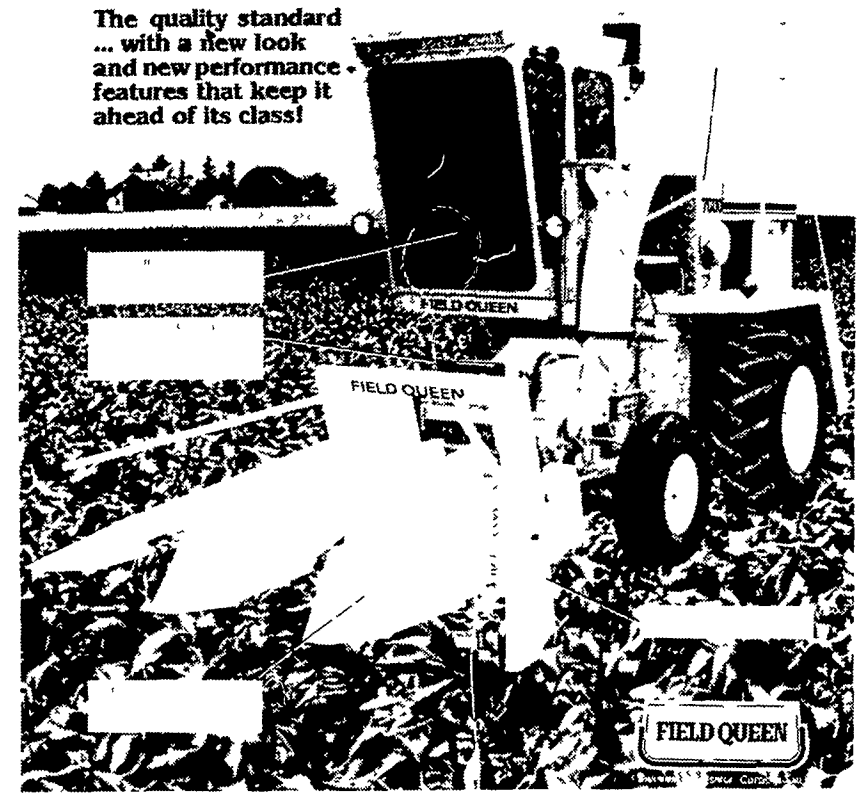

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(Continued from Page 144)

LeRoy S. Musser						
5	GrH	8-8	305	18,651	3.7	685
Raymond & Louise Witmer						
Duty	RG	4-7	305	14,551	4.7	685
Albert Breneman						
Ona 38	RH	4-5	305	22,148	3.1	684
John M. Harnish						
Sugar	RH	3-8	305	17,390	3.9	683
Fritzi	RH	2-7	305	18,581	3.5	645
Prudnce	RH	4-2	305	18,791	3.4	641
J. Wilmer Eby						
19	GrH	2-8	305	16,290	4.2	681
Abram & John Barley						
230	GrH	4-0	305	16,340	4.1	678
387	RH	3-3	305	16,383	4.0	657
277	RH	2-9	285	16,411	3.9	644
Albert E. Fry						
Bvelvet	RH	6-2	305	16,079	4.2	678
Crystin	RH	2-11	305	16,869	4.0	668
Joseph W. Best						
8	GrH	6-11	305	15,427	4.4	678
Jay L. Ranck						
Tammy	RH	5-1	305	20,534	3.3	677
Sheryl	RH	6-4	305	16,050	4.1	651
Eli K. Glick						
Darlene	GrH	9-7	305	19,581	3.5	677
Jacob S. Dienner						
Prilly	RH	2-7	305	16,971	4.0	676
Elam J. Stoltzfus						
Millie	RH	5-7	300	19,367	3.5	675
Neff Brothers						
Helen	GrH	5-2	305	18,214	3.7	674
Robert H. Kauffman						
Nel	RH	6-9	305	16,396	4.1	674
Arlin L. Balmer						
Sandy	GrH	5-1	305	21,138	3.2	672
H. Landis Weaver						
Birdie	RH	2-6	305	17,316	3.9	672
Marvin Reiff						
59 Jane	RH	7-9	305	16,986	4.0	672
Ken & Nelson Stoner						
140	RH	4-7	305	18,906	3.5	671
John M. Weaver & Son						
33	GrH	3-5	291	17,794	3.8	669
James G. Kreider						
110	RH	3-8	295	15,610	4.3	668
182	RH	2-8	305	17,127	3.9	660
221	RH	6-11	305	20,009	3.3	658
112	RH	3-9	305	18,762	3.5	665
Harold G. Shelly						
Angie	RH	2-5	305	17,007	3.9	665
J. Wilmer Conrad						
Margie	RH	3-3	305	17,976	3.7	662
Masonic Homes Farms						
124	RA	2-4	305	17,221	3.8	662
J. Mowery Frey						
Freda	RH	8-7	305	20,580	3.2	661
Bess	RH	2-6	305	16,294	4.0	645
Paul J. Weidler						
Dibbles	RH	6-9	305	19,276	3.4	660
G. & J. Hershey Bros.						
Joan	GrH	6-7	305	19,250	3.4	659
Roy C. Neff						
Lady	RH	6-7	305	16,961	3.9	658
Marvin R. Sauder						
Janice	RH	9-7	305	15,630	4.2	657
Harold & Anna Engel						
Penny	GrH	1-11	305	17,987	3.6	654
Clair M. Hollinger						
Bon 106	RH	4-8	305	20,239	3.2	653
Ona 47	RH	4-5	305	12,986	5.0	647
Clyde M. Buchen						
376	GrH	2-10	305	13,787	4.7	653
Christian G. Becker						
72	GrH	12-7	305	16,136	4.0	652
Rhelda & Lynn Royer						
Desi	RH	6-11	302	17,146	3.8	649
Dan S. Stoltzfus						
Jean	RH	5-3	292	15,773	4.1	648
Lester J. Wiker						
Rocket	RH	7-5	305	17,166	3.7	642
Elsie R. Griffith						
Jill	RH	3-4	305	14,337	4.5	642
Andrew G. Miller						
Fawn	RH	5-3	305	19,410	3.3	641
John F. Petersheim						
622	RH	4-7	305	18,536	3.5	641
Martin H. Good						
Nora	RH	4-9	289	17,584	3.6	641
Willis M. Martin						
Paula	RH	2-7	305	17,123	3.7	641
John K. Stoltzfus						
Lynn	RH	3-6	305	17,504	3.7	640

OWNER BREED		NO. COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Robert Kauffman Jr.						
R&GrH	29	87.0	95.5	57.0	4.2	2.37
Melvin R. Eby						
RH	30	52.3	97.9	62.0	3.8	2.33
Curtis E. Akers						
RH	28	58.0	95.6	56.9	4.0	2.26
John M. Weaver & Son						
Mix	27	77.3	94.9	56.2	4.0	2.26
Samuel E. Beiler						
R&GrH	28	43.5	88.4	61.1	3.7	2.25
Christian Zook						
R&GrH	49	44.6	87.6	55.9	4.0	2.23
Earl N. Landis						
R&GrH	30	48.9	95.4	56.2	4.0	2.22
Joseph L. Fisher						
R&GrH	33	32.8	96.3	57.2	3.9	2.22
Mervin Sauder						
R&GrH	38	36.7	91.7	59.7	3.7	2.22
Jonas E. Zook						
R&GrH	28	30.2	86.4	58.8	3.7	2.19
LeRoy S. Weaver						
R&GrH	31	43.0	95.2	57.0	3.8	2.18
R. Edwin Harnish						
R&GrH	28	38.3	94.2	53.2	4.1	2.17
Robert H. Kauffman						
RH	33	32.9	92.0	52.1	4.1	2.16
Gusty Crest Farm						
R&GrH	31	30.9	85.7	54.4	4.0	2.16
Christian G. Becker						
R&GrH	33	39.5	97.3	55.4	3.9	2.16
Reuben L. Stoltzfus						
R&GrH	29	30.8	95.2	54.2	4.0	2.15
Hiram S. Aungst						
R&GrH	37	45.1	93.6	53.7	4.0	2.13
Abraham S. King						
RH	25	38.0	87.9	54.6	3.9	2.13
Ephraim D. Riehl Jr.						
R&GrH	28	25.0	89.3	52.3	4.1	2.12

(Turn to Page 160)

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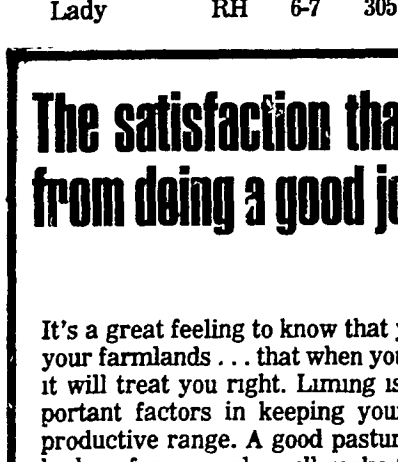

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Rather than using noisy, dust-creating fans with fragile, dirt collecting air-cooled condensers, the refrigerant is routed to a specially designed condenser/heat exchanger and its heat is transferred to the water

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Tests indicate the Fre-Heater consumes 10% less power than an air-cooled system . . . and you get Free Hot Water!

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The most common causes of slow cooling in bulk milk cooling systems are related to the air-cooled condenser

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- The Fre Heater is installed indoors
- There are no noisy fans to fail
- The head pressure is very stable — assuring longer compressor life
- There are no cold weather starting problems, plus . . . **the Fre-Heater conserves energy and produces Free Hot Water!**

HOW MUCH WATER CAN BE GENERATED?

There are many variables, so this question cannot be answered directly, however, a rule of thumb is that a Fre Heater operating on 60° F well water will produce a volume of 145° F water similar to the amount of milk produced during a milking

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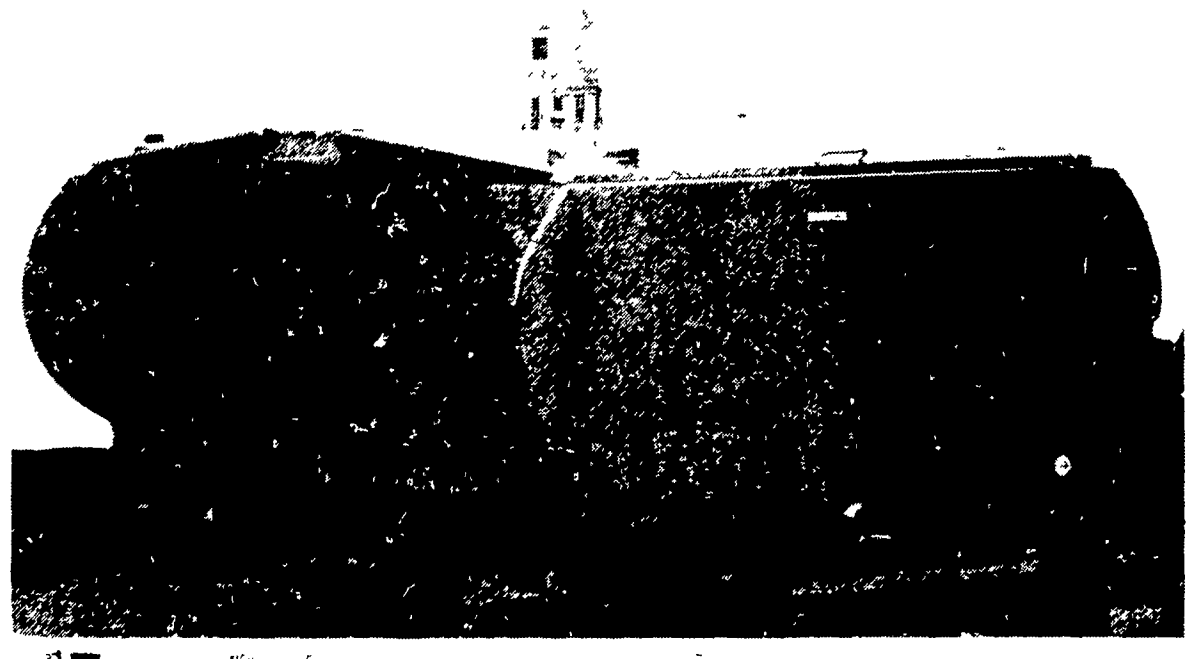

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'Dietary Goals' report not accepted

ROSEMONT, Ill. – There has been a great deal of controversy regarding the "Dietary Goals for the United States," a report published by the U.S. Senate Select Committee on Nutrition and Human Needs. For a number of reasons delineated below, National Dairy Council recommends that the goals be withdrawn.

In essence, the report, first published in February, 1977, and revised in December, 1977, calls for reduction or elimination of certain foods in the belief that these foods may be involved in the etiology of various diseases. Specifically, the entire population was urged to decrease its use of sugar, salt, and fat.

In its opposition to the report, NDC originally cited 1.) the Select Committee's lack of evidence to support the implication that achieving the goals would reduce the incidence of "killer diseases," 2.) the superficial treatment of obesity and lack of a goal concerning energy balance and physical fitness, 3.) the manner in which the goals were translated into food selection and preparation, and 4.) the lack of involvement by the professional community and the food industry in establishment of the goals.

The second edition of the goals included several changes and additions, most notably the inclusion of a minority opinion by three of the Select Committee's members. They questioned 1.) whether a specific restriction of dietary cholesterol to the general public is warranted, 2.) what the demonstrable benefits to the individual and general public would be by implementing the recommended dietary practices, and 3.) the accuracy of some of the goals and recommendations given the inadequacy of current food intake data.

The current version of the report urges the entire population to 1.) decrease consumption of animal fat and choose meats, poultry and fish which will reduce saturated fat intake, 2.) except for young children, substitute low-fat and non-fat milk for whole milk and low-fat dairy products for high-fat dairy products, and 3.) decrease consumption of "refined and processed sugar" and salt.

Many medical authorities concur that such recommendations should apply only to an identified segment of the population in specific risk categories. Conversely, there is no evidence that the majority of the population would stand to benefit by such dietary changes.

Why then the need for a new set of Dietary Goals? The Food and Nutrition Board, National Research Council/National Academy of Sciences (FNB) has been making nutrient intake recommendations commensurate with optimal health since 1943. There is no evidence that following the FNB's recommendations by choosing a wide variety of foods will in any way lead to any of the "killer" diseases and, at the same time, we may have reasonable confidence that all nutrient needs will be met.

If a nutrition policy applicable to the U.S. population is to be formulated and translated into food selection and preparation it must be recognized that there are individual preferences. Thus any policy must allow flexibility in food choices to successfully achieve the desired recommendations.

If its implementation is to be successful it will be necessary to have input from many sectors of our population including academia. the medical community, the food industry, agriculture, government, and consumers.

The general public should be advised to practice moderation in food intake to maintain desirable body weight, to exercise adequately to insure physical fitness, and to select a wide variety of foods with emphasis on their nutrient density to insure intake of recommended amounts of nutrients. Finally, those individuals who feel they may be at high risk for developing one of the "killer" diseases should see a physician. Those individuals should then be given sound medical advice as to how to change their lifestyles to minimize the possibility of developing one or another disease.

xxx

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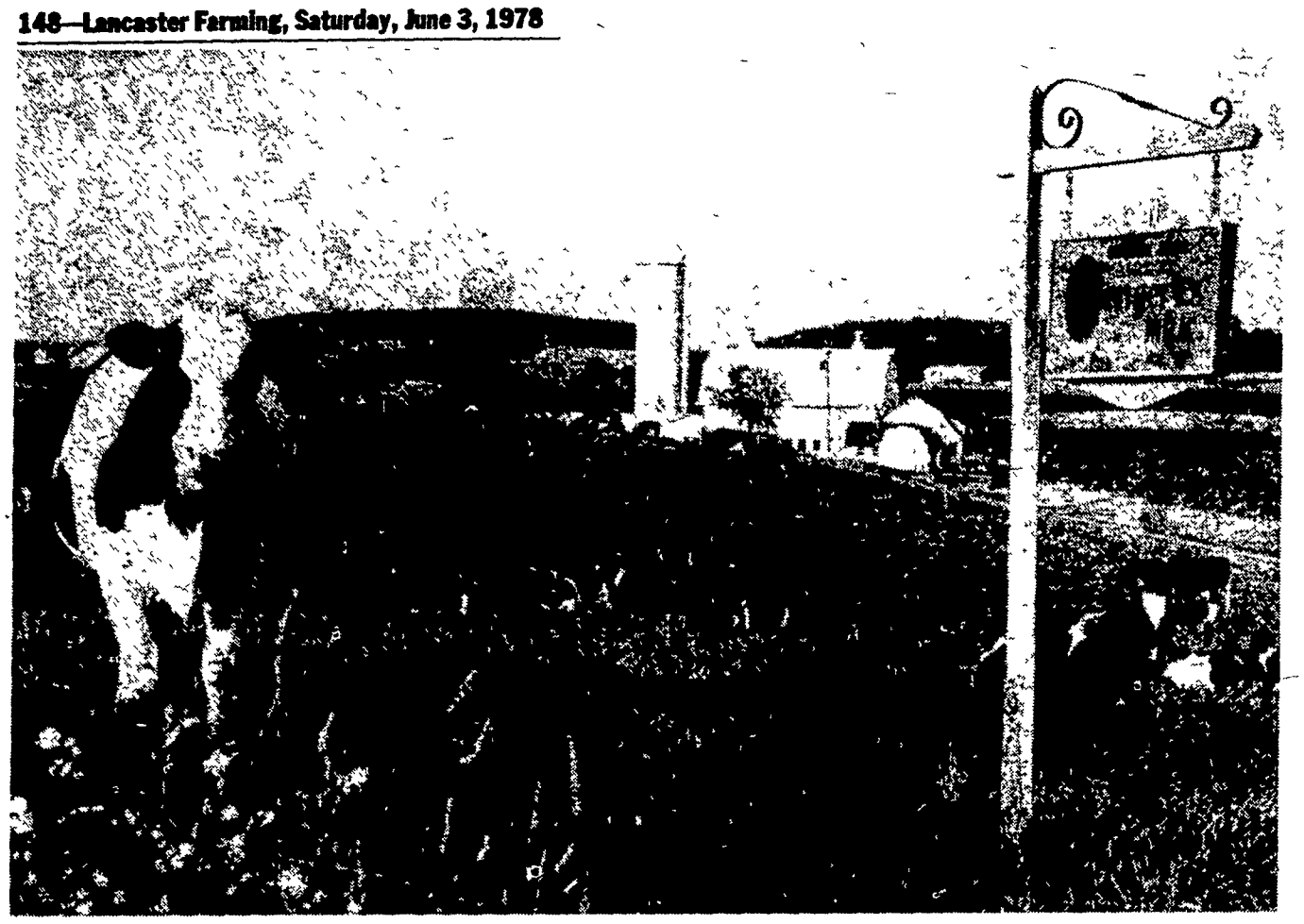

A picture of contentment is what greets visitor to Hershey Bare's farm, north of Lebanon.

Hershey Bare, Lebanon County dairyman, is Pennsylvania's Outstanding Young Farmer

by DIETER KRIEG

LEBANON – When the Pennsylvania Young Farmers Association met in Lancaster in February, they chose Lebanon County dairyman, Hershey Bare, as their outstanding member over 30 years of age. A visit to his farm, just a few miles north of Lebanon, provides some insight as to why that honor was bestowed on the 37-year old dairyman.

The driveway leading to the Bares' homestead curls gracefully to the well-kept and professionally landscaped buildings. An immaculate lawn borders the lane for 100 or so yards and fans out to encircle the home, barn, other buildings, and a pond.

The Bares' more than 75 head of registered Holsteins graze leisurely on some of the farm's 30 acres of pasture, which add a further touch of serenity to the scene. The rolling herd average of 17,168 pounds of milk with a 3.8 per cent test and 652 pounds of butterfat is yet another reason as to why Hershey Bare is Pennsylvania's Outstanding Young Farmer for 1977.

Judging criteria for the prestigious honor include accomplishments with herd and crop production, soil conservation, mechanical practices, labor saving devices, financial progress, community involvement and leadership, and membership status in professional and community organizations.

Bare, a state director for Lebanon County to the Pennsylvania Holstein Association, believes success in the dairy business hinges on a variety of management practices. He starts his program with a high-yielding and conservation-conscious crop production plan. The main crop is alfalfa, to which he devotes 95 acres of land. His stands of alfalfa are some of the nicest to be found, regardless of whether they're newly seeded or several years old.

With hay as the main crop, Bare naturally depends heavily on good hay in order to get top production from his cows. That means having good equipment, the Lebanon Countian emphasizes. "When you're dealing with machinery for your main crop, you have to have good equipment and you have got to have good service," the stocky dairyman noted. "With that in mind, I believe service is more important than an opportunity elsewhere to buy a similar piece of equipment for a little less money."

Despite a rather wet haymaking season in 1977, Bare was able to make good hay on most occasions. Aside from crediting good equipment, excellent service, and a willingness to work hard and long to get it in, Bare also credits his weatherman for that accomplishment. "I wouldn't want to be making hay without the Harrisburg weatherman," he commented, adding that he listens to his weather report every morning and that his predictions are generally accurate.

Good quality hay is fed to Bare's milking string during the Winter at about 20 pounds per cow per day. In all, he feeds more than 50 bales of hay per day to keep his herd of cows and youngstock well nourished. Now that the herd is on pasture, hay feeding has, of course, been cut down accordingly.

Bare's Holsteins are fed corn silage once per day throughout the year. Intake per cow averages about 35 to 40 pounds per day. The grain mixture consists of home-

(Turn to Page 166)

Hershey Bare has about 30 acres of his land in pasture, including an area above the house, which makes for easy observation of the herd. Son Robert, 9, also likes to watch the cows.

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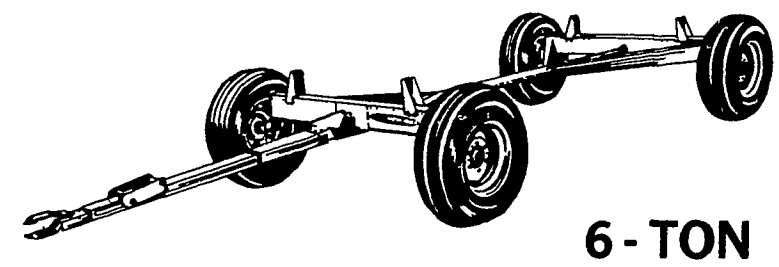

6 - TON
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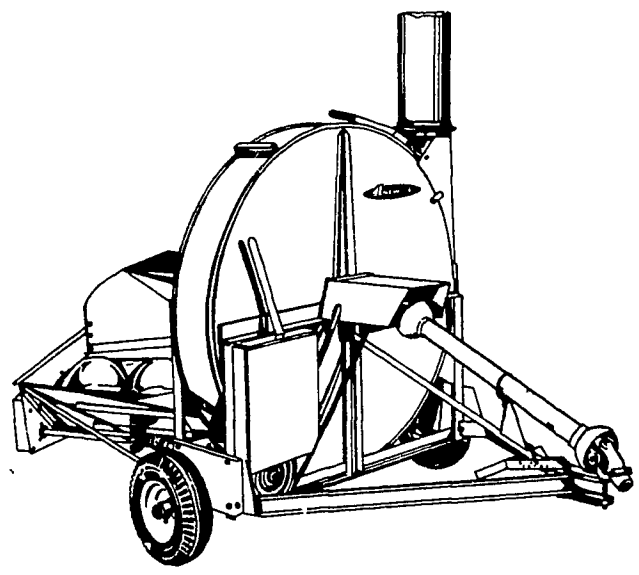
THERE'S A GOOD IDEA BEHIND EVERY NEW IDEA.



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She never wanted to live on a farm, but ... looking back, she wouldn't change her life

By SALLY BAIR
Staff Writer

MANHEIM – For a girl who never wanted to live on a farm, Irene Bollinger has made some adjustments - and now wouldn't want to change the course of her life.

Irene and Elam Bollinger, Manheim R7, have been married for 35 years and have been milking cows ever since, beginning with a herd of eight cows on a rented farm in Clay Township. In 1952 they began renting their present farm on Junction Road and purchased it in 1961. When they started at this location, they had about 18 cows, some registered, and went on the Dairy Herd Improvement testing program right away. As they needed replacements, they slowly made the switch to registered Holsteins and have been supporters of the Holstein industry ever since.

In August, they will be having a sale which will effectively disperse their El-Lyndo herd, although they will keep a few aged cows. Their son Darryl and his wife Ruby will continue milking their own herd of cows at the farm. The Bollingers will continue to farm. Darryl works with his father, but farms some land independently and does custom harvest work.

The decision to sell was not easy, because Irene acknowledges, "I enjoy milking - although I don't like to milk messed up cows. There were just too many cows for the space available." Until Aguust, however, Irene will still be found as she is now, in the barn, milking.

Things have changed in the dairy industry since the Bollingers began milking cows.

Working with plants is a pleasure for Irene Bollinger.

"Everything's bigger, for one thing. Cows are milking better and are bred better. That's why we have a surplus!" she says.

Elam explains that when they began renting the farm in 1951 the 18-stall barn seemed more than adequate. Then they remodeled to a 40-stall barn which also seemed more than enough. Now they are milking 59 cows. Their rolling herd average is 16,530 pounds of milk with 615 pounds of fat.

Irene is a strong believer in promotion of milk - and all farm products. She says, "A lot of people don't know what's involved in farming - all kinds of farming. But everyone should pay for advertising - not just some." She feels advertising can be effective, depending upon what's used, but says it is important to attract children's attention so they will persuade parents of the need and value of dairy products.

About land use, Irene says, "Until people feel the farmer

(Turn to Page 152)

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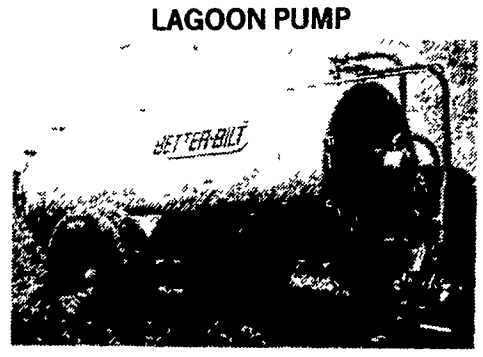

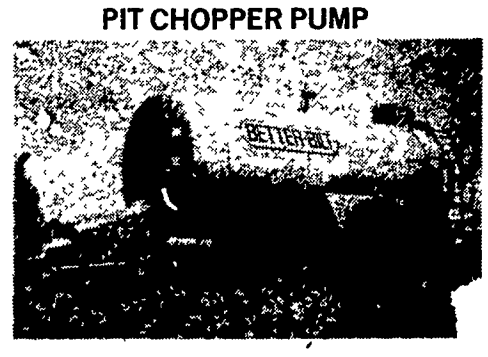

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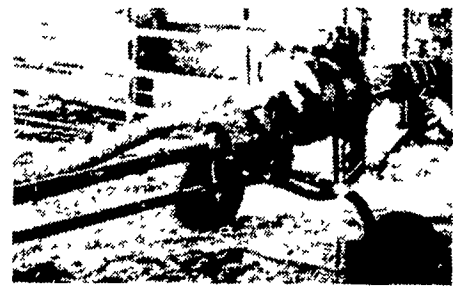

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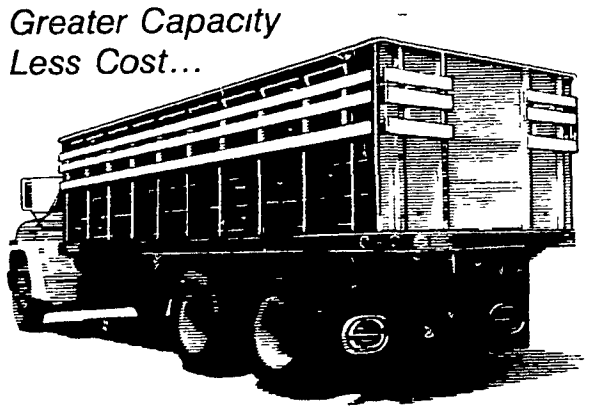

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Crude Fat, Minimum	3.00%
Crude Fiber, Maximum	7.00%
Vitamin A, I U./Lb., Minimum	6,750
Vitamin D3, I U./Lb , Minimum	4500
Vitamin E, I.U /Lb., Minimum	13

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GUARANTEED ANALYSIS

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Crude Fat, Minimum	3.00%
Crude Fiber, Maximum	7.00%
Vitamin A, I U./Lb , Minimum	8,400
Vitamin D3, I.U /Lb , Minimum	5600
Vitamin E, I U /Lb , Minimum	16

INGREDIENTS

Grain Products, Processed Grain By-Products, Plant Protein Products, Cane Molasses, Vitamin A Supplement, Vitamin D3 Supplement, Vitamin E Supplement, Sodium Bicarbonate, Dicalcium Phosphate, Calcium Carbonate, Manganous Oxide, Zinc Oxide, Iron Carbonate, Iron Sulfate, Copper Oxide, Cobalt Carbonate, Ethylene Diamine Dihydriodide, Potassium Sulfate, Magnesium Sulfate, Salt.

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GUARANTEED ANALYSIS

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Crude Fat, Minimum	1.50%
Crude Fiber, Maximum	6.00%
Vitamin A, I U /Lb , Minimum	22,500
Vitamin D3, I U./Lb , Minimum	15,000
Vitamin E, I U /Lb , Minimum	44

INGREDIENTS

Processed Grain By-Products, Plant Protein Products, Cane Molasses, Vitamin A Supplement, Vitamin D3 Supplement, Vitamin E Supplement, Dicalcium Phosphate, Calcium Carbonate, Sodium Bicarbonate, Manganous Oxide, Zinc Oxide, Iron Carbonate, Iron Sulfate, Copper Oxide, Cobalt Carbonate, Ethylene Diamine Dihydriodide, Potassium Sulfate, Magnesium Sulfate, Salt.

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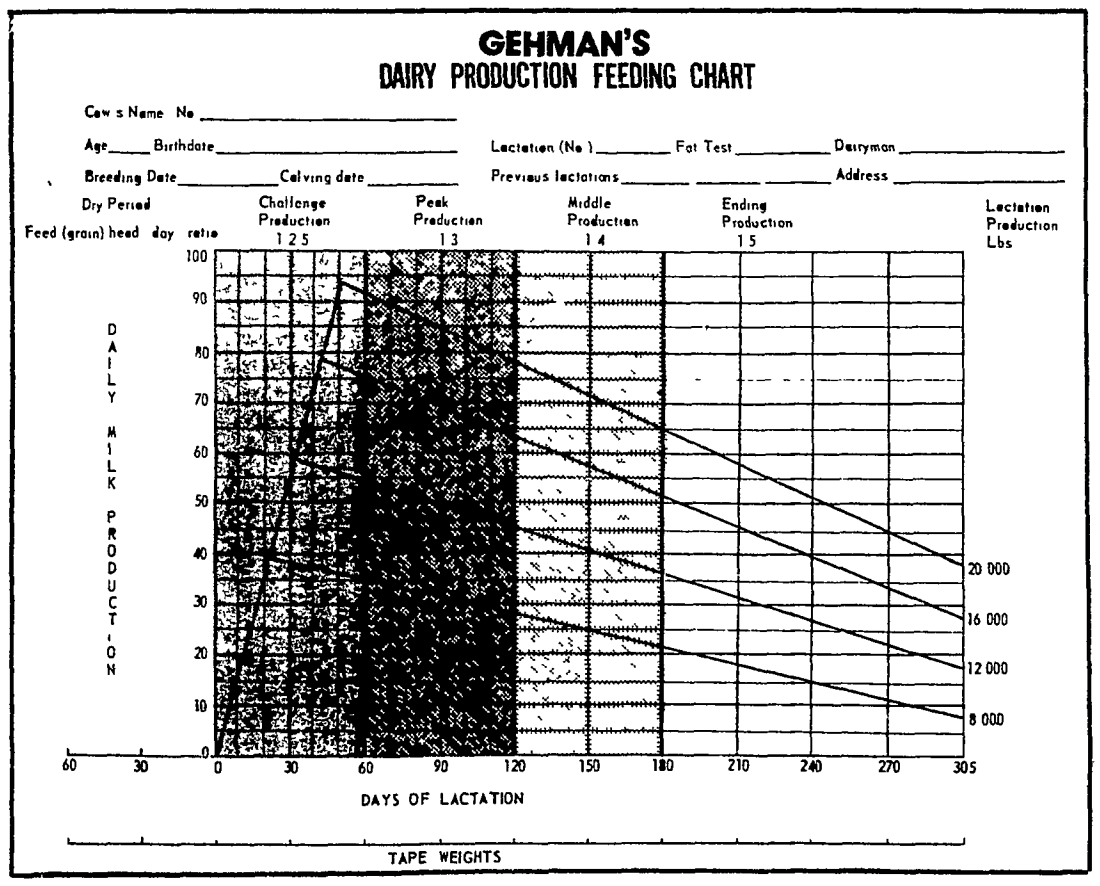
Heat treatment in pelleting and flaking grains reduces starch loss in the droppings that occurs in heavy feeding of unprocessed grain; protects protein for bypassing rumen breakdown; increases grain utilization of grain by promoting propronic acid production. Pelleting and Flaking will improve feed texture for increased feed intake in milking parlors especially for high producers.



Cows usually peak in milk production about the 6th week of lactation; reach low point in body weight at same stage, but do not achieve maximum nutrient intake per day until 10 to 12 weeks after calving.

In early lactation cows need higher protein in the feed to avoid being "stunted" in milk production and to balance energy provided when a cow "milks fat off her back." Body weight must be stabilized for rebreeding at 80 to 100 days of lactation.

Emmett I. Robertson, Ph.D.
Nutrition Consultant

Gehman's Feed Service Bulletins: "Protein Needs of Dairy Cows," "Dairy Production Feeding Chart," "Milk Fever in Dairy Cows" and others will be gladly provided on request. Ask your Gehman representative or Write:

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PHONE 215-267-5585

She wouldn't change

(Continued from Page 150)

should get enough for his products, land should be sold to the highest bidder. Why should someone else tell us what to do? A farmer should not be made to sacrifice."

She hedges just a little on the future of dairying. "It all depends - If you have a place to take over, it is possible. If you have to buy, it is more difficult. Farms are hard to rent today, and most land is rented without buildings. You must be willing to stay in there and plug away."

As for living on a farm - what she never wanted to do - Irene savs. "I don't think there is a better place to live with kids. You can be around them and don't need to worry about where they are. It is better for a mother to be with her children." In addition to Darryl the Bollingers have a son Donald, 32, who teaches in the Pottstown area. With Donald's three girls and Darryl and Ruby's son, the Bollingers have a golden opportunity to be doting grandparents, and to share their way of life on the farm with their grandchildren.

The Bollingers are supporters of breed shows, and Irene says, "It helps you get an idea about cows and what to work towards. Classification teaches you too." She says they try to use knowledge they gain to do the best they can with their herd.

Irene's involvement doesn't stop at the barn. She also keeps records and registers all the calves. She feels it is important for wives to understand the farm accounts so they can understand things like when equipment must be replaced.

When there are no longer El-Lyndo herd cows to be milked twice a day, there is no fear that Irene will be idle. The Bollingers have traveled a lot in recent years, and they have the goal of visiting every state in the country. They traveled together on a Pennsylvania Holstein Association-sponsored tour to California, a trip which taught them a lot. "We got to know people from California and got to see farms we wouldn't have seen on our own."

Interaction with other breeders means a lot to Irene and Elam, and they have hosted many breeders from this country and abroad in their home. They were involved in a tourist program of the local Holstein club which encouraged members to take visiting dairymen home for a night. Irene says, "We still correspond with some of these people. It's a good way to learn about people and different countries. It is important in changing your attitudes and your way of thinking." Elam noted, "Sometimes it makes you see that what you have is not so bad."

In addition to barn work, Irene has a natural affinity for her flower beds, and a love of green things which carries over to her many houseplants. She also has a garden which she describes as "too big". She doesn't do a large amount of canning and freezing any more, so she said she gives away a lot of her produce. She states, "I'd much rather work outside then inside."

She may love the outdoors, but she has many indoor activities for rainy days. She taught herself macrame from a book, and has created innumerable designs of her own. She said, "I like to crotchet and knit, but there are other things I'd rather do then sewing." She is well-known for her interesting table centerpieces and favors which she has contributed for many years to the Mother-Daughter banquets at her church. She likes to paint, but finds little time for it. When she runs out of things to do on the farm, she said, "I'd like to work in a gift shop."

Irene is an active member of Emmanuel Lutheran Church in Brickerville, where she once sang in the choir and worked as Sunday school secretary. She also served several terms as president of the Lutheran Church Women's group and has been an alternate delegate to the church convention for "at least seven years." She is now vice president of the Leisure Hours Club, which meets once a month, and she is currently mulling around the idea of making a cow cake for their next meeting, for June is Dairy Month.

June Dairy Month makes an idea time to salute dairy farm wives like Irene, whose hard work and dedication make the dairy industry a triving part of this country's economy.

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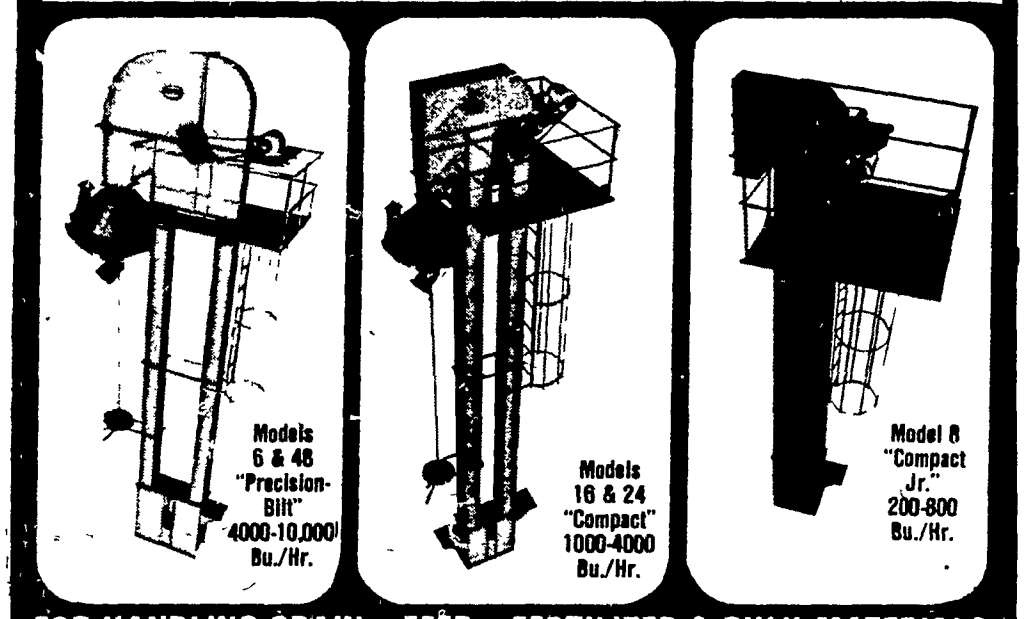

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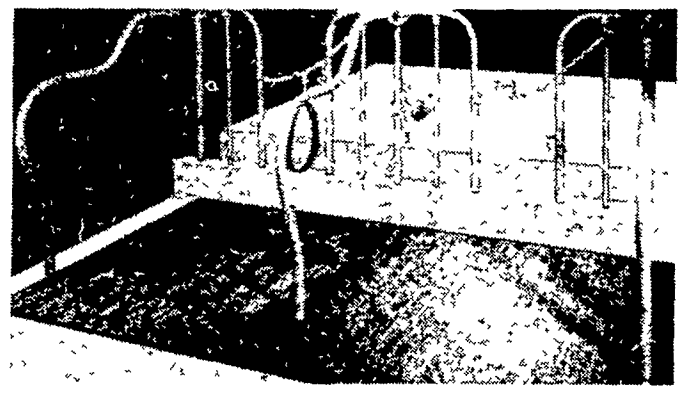

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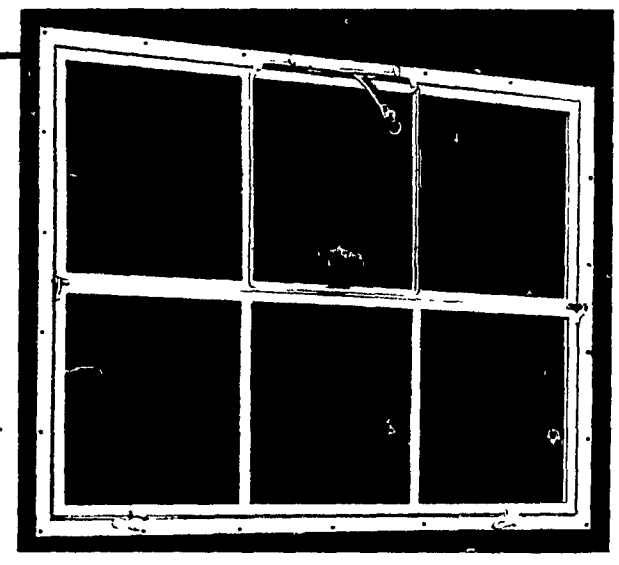

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'77 Adams Co. dairy princess to crown successor

BIGLERVILLE – Adams County will hold its 11th annual dairy princess contest on June 17 at the Biglerville High School, North Main Street, Biglerville, at 8 p.m.

The reigning Adams County dairy princess Lita J. McGough, daughter of Mr. and Mrs. Oscar E. Mehring, Jr., Gettysburg R8, will crown her successor.

Five Adams County dairy farmers' daughters have entered the contest. They are: Donna Clowney, daughter of Mr. and Mrs. Thomas Clowney, Gettysburg R9; Judy L. Smith, daughter of Mr. and Mrs. Luther A. Smith, Gettysburg R9; Joan Todt, daughter of Mr. and Mrs. J. Donald Todt, Hanover R4; Jackie Wisner, daughter of Mr. and Mrs. Donald J. Wisner, East Berlin R2; and Carol Zepp, daughter of Mr. and Mrs. Norman Zepp, New Oxford R2.

Donna Clowney will be a senior at Gettysburg Senior High School where she is a member of the Girls' track team. Following graduation, she would like to attend art school or get a full-time job. Donna is a member of the following 4-H Clubs: Adams County Dairy Club, Mt. Joy Ag, Barlow Home Ec, and 4-H Senate of Adams County.

Judy Smith will be a sophomore at Millersville State College in the Fall where she is majoring in special education. She is a 1977 graduate of Gettysburg Senior High School. In college she is a member of the AET Sorority, Women's Chours, Council for Exceptional Children, and Adopt a Grandparent. Judy is a 4-H member in Adams County and plays in her church's orchestra.

A senior at New Oxford High School, Joan Todt would like to attend nursing school following graduation. She is active in the Adams County 4-H Dairy Club and the Centennial Community 4-H Club.

Jackie Wisner is a senior at Bermudian Springs High School where she works at the school's store. She helps her family with the farming and enjoys woodworking.

A 1977 graduate of New Oxford Senior High School, Carol Zepp will be a sophomore at the Mont Alto Campus of Penn State University where she is majoring in English (with a writing/teaching option). While in high school, Carol was active in the Flag Corps, track, choir, plays and field hockey. She is past president of the Adams County 4-H Senate and is a member of the 4-H Dairy Club in Adams County.

The master of ceremonies will be Lloyd Ebersole, sire analyst at Sire Power in Tunkhannock, Pa.

Judges will be: Mrs. David (Ruth) Roth, Milmay Farm, Loysville R1, Pa.; David A. Muzzy, regional director for the Pennsylvania Farmers Association, Carlisle R4, Pa.; and John Shearer, county Extension director, Franklin County Extension Service, 191 Franklin Farms Lane, Chambersburg, Pa.

Entertainment will be provided by Inner Peace, a gospel group from the Abbottstown area, and the Young Adults of Adams County, a square dance group. Vincent W. Lobaugh, Aspers, R1, will be the organist for the contest.

On June 4 the contestants and the 1977 dairy princess and their mothers will be entertained at a tea at the home of Dawn L. Bodenberg, Gettysburg R4, chairman of the 1978 dairy princess contest and milk promotion committee. The contest is sponsored by the Adams County Holstein Association and Adams County's dairy farmers and agribusinesses.

Rehearsal for the contestants will be held on June 16, at the Biglerville High High School.

The contest is free of charge and the public is invited to attend.

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4-H club meets

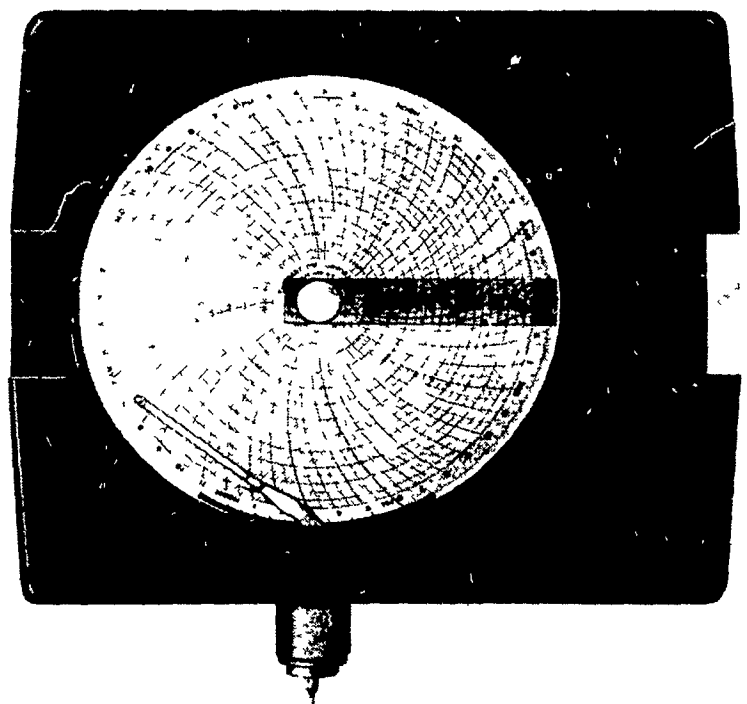
OBELISK – The Western Mont-Berks 4-H Dairy Club met at the home of Mary Alice Rhoads on May 25. Seventeen members attended.

Members took turns leading a heifer and pointing out her good and bad points. Then a demonstration was given on the proper methods of clipping an animal.

The club scheduled a softball game with the Keystone Club on June 4, at 2 p.m. at Green Lane Park.

The Next meeting of the group will be a Jach Seasholtz's home on June 29, beginning at 7:30 p.m. A softball game will be held.

THE SENTINEL



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Potential soybean crop dented by late corn planting

HUDSON, Iowa — A decrease in soybean yield potential may counteract a shift from corn to soybean planting, according to Soybean Update, the weekly American Soybean Association newsletter.

Soybean planting is far behind normal in four of the six largest soybean producing states. These include Illinois, Iowa, Indiana and Ohio. These four states and Missouri accounted for 57 per cent of last year's record soybean production.

In addition to a potential shift from corn to soybean planting, agronomists contacted in these five states said the late corn planting season has pushed back soybean planting.

"We expect a seven-tenths per cent drop in yield in Illinois for every day after May 15," says University of Illinois agronomist Dr. Richard Johnson. "We don't expect to get much of the soybean crop in before June 1 in central and southern Illionois. We're still telling farmers to plant full season varieties first."

Illinois produced nearly 328 million bushels last year to lead the nation and the Crop Reporting Service says this year's soybean planting is about 55 per cent behind norma. Iowa, the second largest soybean producing state, is currently running about 15 per cent behind average.

Missouri, the third largest soybean producing state, is about 20 per cent behind normal, but agronomist Dr. Bill Murphy says he doesn't see major problems at this point.

"Indiana is probably in a worse condition than other Corn Belt states," says Dr. Marvin Swearingin of Purdue University. "The problem is in corn as it's not too late for beans yet. But a late corn season always means late bean planting."

Indiana produced 139 million bushels last year to rank fourth in the Nation in soybean production. Swearingin says soybean yield drops five per cent after June 1 and 10 per cent after June 10. He says he doesn't expect much of the soybean planting, which has just started, to be completed before June 5. That could mean a two to three bushel per acre loss in Indiana.

Planting weather in the South has also been less than ideal. Arkansas, the seventh leading soybean state, is only 10 per cent planted as compared with the normal 39 per cent. Mississippi is about 11 per cent behind average planting. Tennessee, Louisiana and Georgia are also behind.

These agronomists, while worried about the late planting, say several other factors will affect final soybean yields. Weather and moisture availability during the late July and August pod setting stage is especially critical.

"It sounds logical to say the potential yield decreases will offset a potential increased acreage," says ASA economist Dr. Kyung Lee. "But, there are still too many factors to determine the size of that impact."

As a result of the potential acreage shift and other uncertainties, ASA will conduct a special planting survey for 1978 soybeans. The results will be released June 27.

Swap meet set

The Manheim Township Sunrise Lions Club and the Manheim Township Educational Association are sponsoring a "Swap Meet", (Flea Market and Festival), on June 3 from 8 a.m. until 2 p.m. at the high school parking lot. Special features include a "Dunking Machine", pony ride, and various games of skill. Musical entertainment will be provided by the middle school jazz band, the "Boogaloo Band" and "The Sahara".

Space may be reserved in advance for the "Flea Market". For further information or reservations one can call: 717-569-5230.

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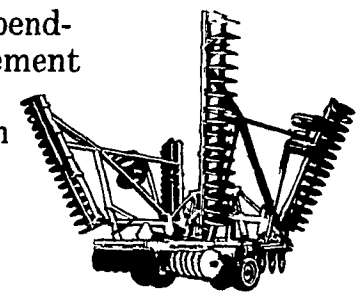

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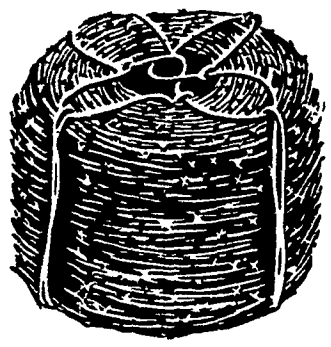

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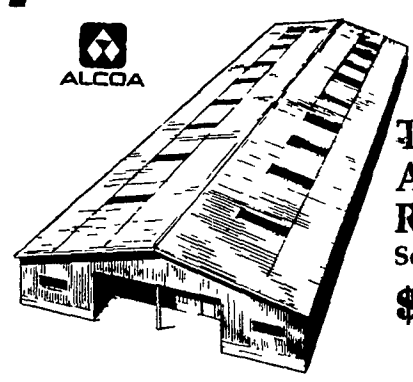

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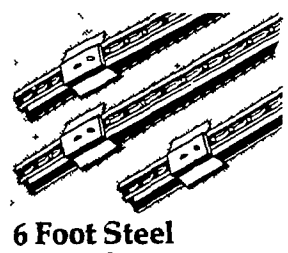

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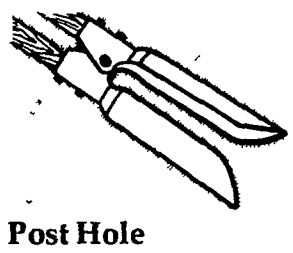

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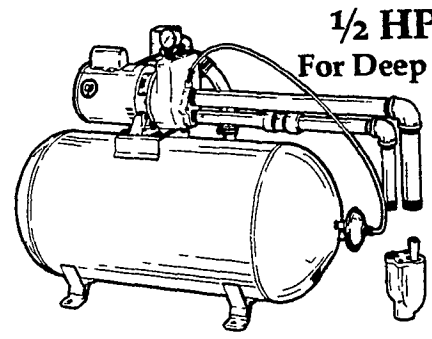

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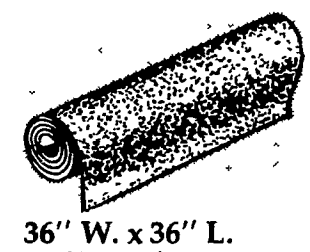

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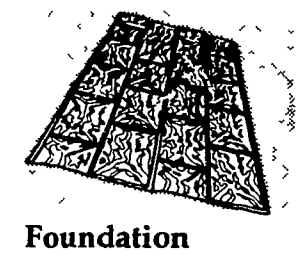

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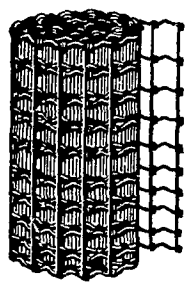

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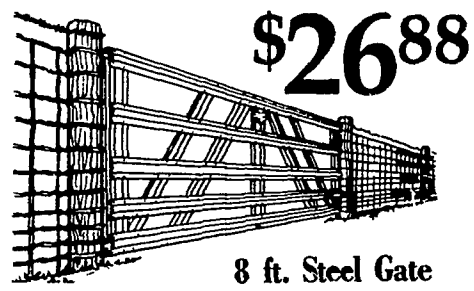

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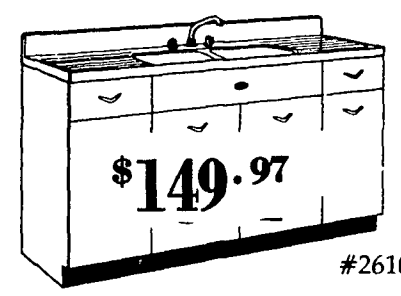

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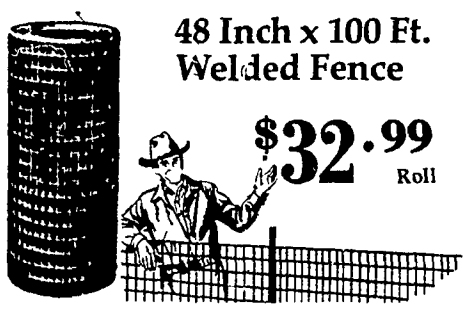

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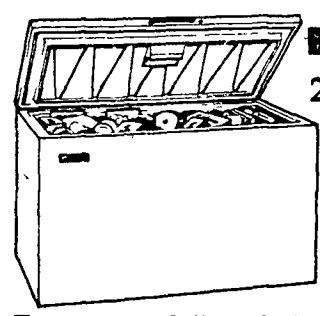

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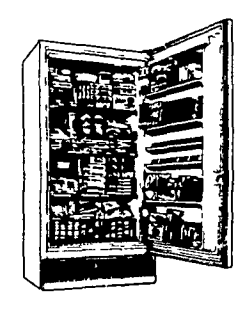

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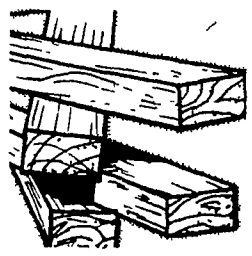

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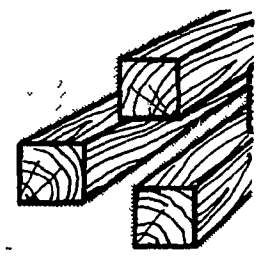

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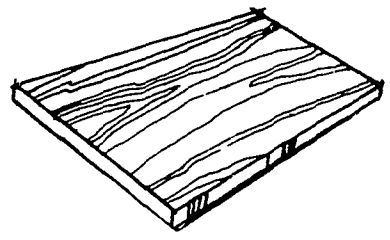

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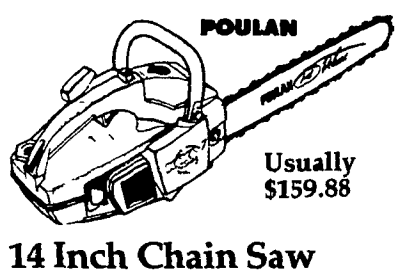

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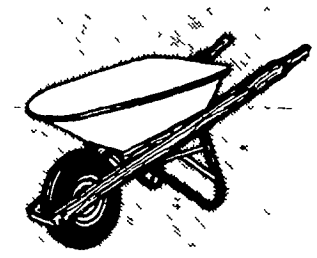

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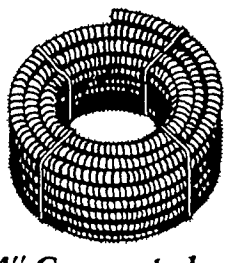

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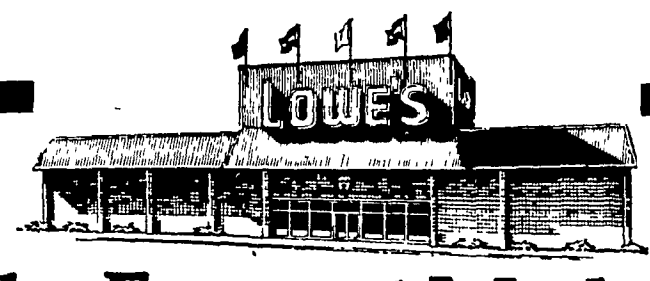

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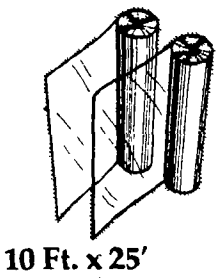

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ADA & DC directors talk about program

HARRISBURG – What do Pennsylvania dairy farmers Willys Hamilton, Millerton; Reed Burman, Thompson; Edwin Zeigler, Seven Valleys; and Theodore Shuck, Mifflinburg, have in common?

They are all on the board of directors of the American Dairy Association and Dairy Council, the advertising and promotion agency for dairymen in the Federal Order 2 portion of Pennsylvania.

"Some people think that ADA&DC is just a New York organization," says Hamilton, who joined the board in March of this year, "but that just isn't so.

"The board of directors runs the program, and we oversee all expenditures. Over 85 per cent of the advertising budget is spend in New York City, where most of us send our milk. That money spent in the city helps us just as much as it does the guy in Syracuse."

Burman, who also serves on the ADA&DC 10-man executive committee adds, "We also benefit from the public relations efforts of ADA&DC. They have public service radio programs that are aired on Pennsylvania stations, as well as newspaper and magazine articles that are directed specifically to Pennsylvania consumers."

Another program that Burman talks about is ADA and DC's dairy case management seminars.

"They bring dairy case and store managers into an all-day seminar and teach them how to handle milk for improved quality and how to better merchandise our products. Research shows that dairy sales increase anywhere from 15 to 45 per cent following one of these seminars. These have been in a number of Pennsylvania supermarkets."

Zeigler points out that the dairy case management seminars are not the only proven success the promotion program has had.

"For example," he says, "Professor Stanley Thompson of Michigan State University has just completed a study which shows that for every dollar invested in advertising in New York City, dairymen receive a return of $2.50. This reinforced a similar finding at Cornell University in 1972.

"Also," Zeigler continues, "million dollar butter and cheese campaigns, with national budgets, supplemented in our area with dollars from dairymen in Minnesota and South Dakota, have produced excellent results."

The ADA&DC program consists of advertising, nutrition education, public relations and national research programs all of which work together to support milk's position in the marketplace.

Shuck, who also joined the ADA&DC board in March, but is no stranger to the program, having served as a district committeeman, feels that dairymen in Pennsylvania, New Jersey and New York should join together to provide a stronger promotion program for all.

"New York's dairy farmers have just voted to continue their promotion referendum which calls for a five cent set-aside from all dairymen," he says. "It passed by a majority of 81 per cent. In May, we will have the chance to support promotion once again through the positive letter, I'd like to see as many farmers as possible voice their support by authorizing the deduction."

The positive letter is approved by the Federal Order Market Administrator and distributed to dairymen by their own handlers. It authorized the five cents deduction automatically, unless the farmer specifically requests otherwise.

"It seems to me that with the anticipated Spring flush and the number of farmers losing their markets," Shuck concludes, "that all dairymen should become actively involved in promoting their product in the marketplace. It is the best way to increase sales."

U.S. dairy herd

The U.S. dairy herd totaled 11 million cows, or one dairy cow for every 20 people, in 1977. And, last year, these cows produced more than 123 billion pounds of milk - or 337 million pounds of milk per day. If all that milk had been consumed as fluid or drinking milk (.53 pounds per 8-ounce glass), Americans would have downed almost 650 million glasses of milk per day

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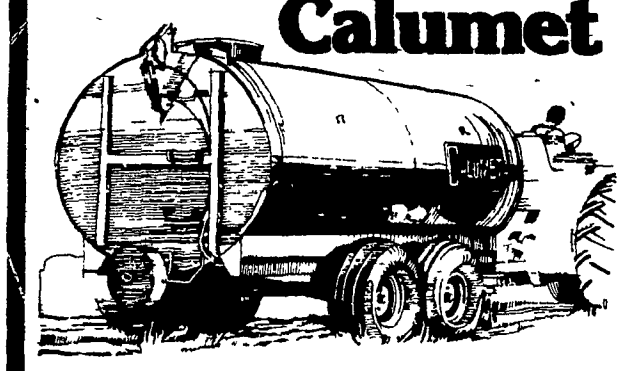

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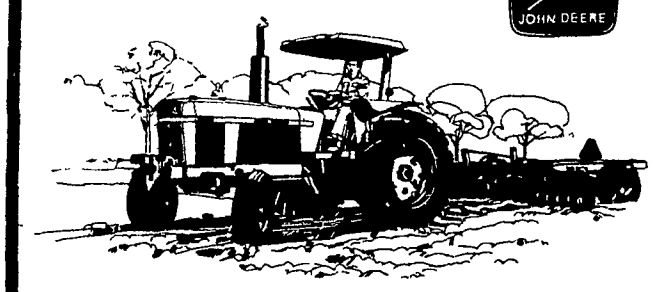

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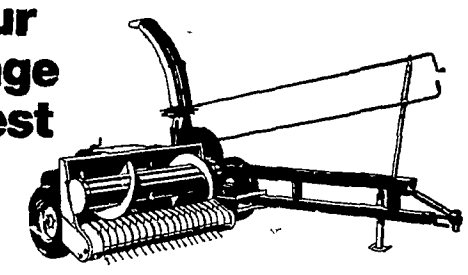

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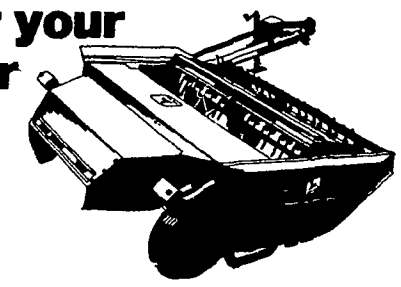

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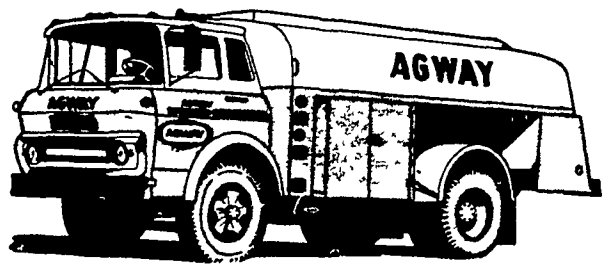

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Reasons given why milk prices vary in U.S.

ROSEMONT, Ill. – Retail milk prices vary widely in markets throughout the United States. However, over a long period of time prices tend to move in a parallel manner.

The accompanying graph shows three markets which regularly have prices below the national average and three markets which have prices above the national average. All run very nearly parallel to the national average over a long period of time.

Why do prices vary widely among markets? No study has fully documented all the reasons on a comparative market basis at a point in time, but there are many reasons. One approach to an explanation is to consider two cost elements, the cost of milk paid to the farmer, and the marketing cost.

One variable, related to differences in retail milk prices, is the difference in farm milk prices which, in turn, are related to transportation costs.

Farm prices of milk that goes in the bottle (Class I prices) in the area east of the Rocky Mountains, tend to rise at a rate equal to transportation costs as distance increases from Wisconsin and Minnesota, the heart of the milk surplus area. Milk dealers throughout the United States have an alternative to their local supply of milk. They can buy Wisconsin and Minnesota milk, but they would have to pay transportation costs. Transportation to the South or East from Wisconsin and Minnesota could cost about 10 cents per half-gallon. In December 1977, half-gallon milk prices averaged 93.8 cents in Dallas, $1.00 in Houston and $1.01 in Atlanta compared with the U.S. average of 84.6 cents. Minneapolis, in the heart of the nation's surplus area, averaged 71.2 cents.

The West Coast, with its own surplus of milk above milk bottling needs, seems to have its own geographic pattern. In some months in the last two years, farm milk prices in the Los Angeles area were among the nation's lowest. Retail prices also were among the lowest. Anchorage retail prices at $1.43 a half-gallon in December, were high. It would indeed be costly to ship milk there. Farm production costs also are very high.

The other variables are marketing costs -- processing, packaging, distributing, retailing, etc.

These vary market to market as cost components vary. Labor costs are by far the most important component of marekting costs, accounting for nearly one-half of the total. Others are packaging, transportation from plant to store or home, business taxes, depreciation, rent, repairs, advertising, interest, energy, profit, and miscellaneous. Labor costs vary from market to market and the efficiency in use of labor varies. Other cost components vary, as well. Detailed study on a market by market basis would be the only way to determine these variations.

There are two other factors which need to be considered in analyzing retail price differences among markets. These relate to the product and package size selected by the Bureau of Labor Statistics for reporting milk prices.

The BLS reports on whole milk in half-gallons. These may or may not be the predominant items in any given market. In some markets only about 25 per cent of the milk sold is whole milk, while in others it may be over 75 per cent. In some markets the half-gallon size is only about 15 per cent of the market; in others it may be 80 per cent or more.

Price relationships between whole milk and lowfat milk, and between half-gallon containers and gallon containers, are not consistent market to market. As a consequence, intermarket price relationships might look different if the BLS has selected gallon containers and lowfat milk.

In short, milk prices vary widely throughout the country, but run parallel over a period of time. The variable prices occur because of: Farm prices of milk (Class I); Marketing costs; Statistics based on whole milk in half-gallons; and Price relationships - Whole milk and lowfat milk; half-gallon and gallon containers.

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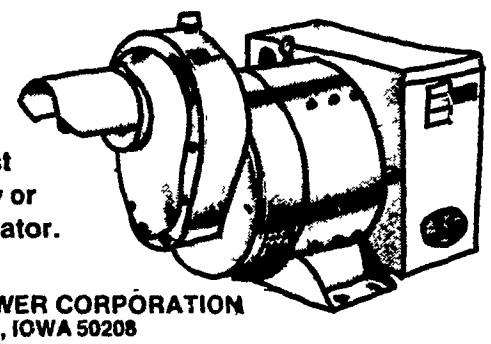

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Cattleman's Assn. meeting scheduled

DOVER – The South-central Pennsylvania Cattlemen's Association has announced June 29 as the date for their annual meeting and election of officers.

Dover Fire Hall is the site of the meeting, which will begin at 7 p.m. with a family style roast beef dinner. Cost of the dinner is $5.50, with tickets available from association members.

Special guest speaker for the evening will be Robert Wolf, Goshen, Ind. of ESI Meats. Inc., a subsidiary of the Ponderosa Steak House chain. Wolf has traveled world-wide for the meat industry and will detail the changes in meat production in his slide presentation, "You've Come A Long Way, Baby."

The Cattlemen will sponsor their third annual fall feeder calf sale, tentatively set for November 10 at the Thomasville Livestock Market.

Counties covered by the association include Franklin, Adams, York, Cumberland, Perry and Dauphin.

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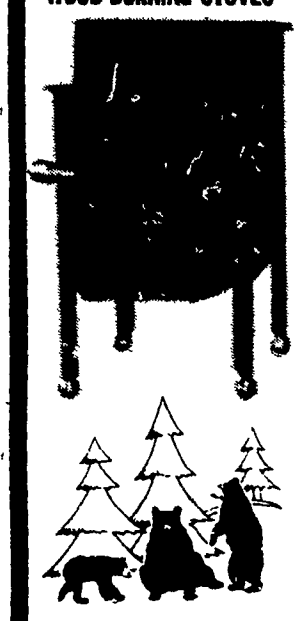

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Chemical contaminants in milk quickly detected

ROSEMONT, Ill. – Of all the foods on the marketplace, few are more carefully regulated and scrutinized for safety than milk. And few foods offer the outstanding nutrient profile; milk's nutrients are necessary for all age groups. But today's technology and increased use of various chemicals in the environment many occasionally lead to contamination of milk. Such accidental contamination is rare and potential danger to the public is minimal due to federal regulations. Nevertheless these dangers have been exaggerated through rumors and reports in the mass media, says the National Dairy Council.

PBB's:
Polybrominated Biphenyls

PBB's are primarily used as a component of fire retardants. In 1973 there was a mix-up in Michigan and a batch of fire retardant was mistakenly added to animal food. The result was the condemnation and destruction of thousands of agricultural animals along with tons of milk, butter and cheese.

While no adverse effects could be detected in the general population, isolated cases of ill-effects were noted primarily by farmers who used the PBB contaminated animal food and chemical plant workers who were exposed to PBB's via non-dietary sources. Recent studies in Michigan have shown that PBB's are not readily taken up by plants or leached from the soil into water, thus contamination of animals and animal by-products via soil contamination appear unlikely.

Food and Drug Administration permits 0.3 parts per million (PPM), fat basis, PBB's in dairy foods, which provides a 100 fold margin of safety. While most consumers have heard of PBB's, only one per cent of those surveyed in Michigan reported decreased milk purchases and consumption because of concern over milk contaminated with PBB's.

The PBB contamination in Michigan was the worst chemical accident in agricultural history. Although financial losses were great, there was no hazard to the consumer, thanks to strict regulation and observation.

PCB's
Polychlorinated Biphenyls

PCB's have a number of industrial applications as insulating agents in electrical equipment, in paints for silos and other metal structures, as lubricants in paper container manufacture, and as an ingredient in pesticides. Over the years, PCB's have been found as contaminants in various agricultural commodities, including dairy foods.

In 1970, the U.S. Department of Agriculture banned PCB's in pesticides. Voluntary action by industry has been effective in decreasing the use of PCB's even more. Such action has led to steadily declining levels of contamination in foods – far below FDA permitted levels. Ironically, since contamination has been proved avoidable, FDA has proposed lowering permitted levels of PCB contamination in dairy foods from 2.5 ppm to 1.5 ppm (fat basis). Today, game fish are the primary source of PCB's in the diet.

PCP's:
Pentachlorophenol

PCP is an industrial chemical primarily used by the wood preserving industry and as an insecticide against termites in the south. During the production of PCP the final product is often contaminated with another class of chemical compounds - dioxins - which are a highly toxic class of chemicals. Present available data indicated that the quantities of the dioxins present in the PCP production do not constitute a danger to man or the environment.

Contamination of milk with PCP can be oral (ingestion by dairy cows) or tactile (absorbtion through the skin of dairy cows). While exposure to PCP is minimal when good manufacturing practices are followed and manufacturers directions are followed when used in preserving wood, the American Wood Preserving Institute recommends that PCP's not be used in closed environments or on wood used for animal food storage or feeding.

Recently six Michigan dairy herds were quarantined due to suspected contamination of these animals with PCP or dioxins. Food and Drug Administration examination of milk from these herds proved negative. Clearly PCP's and its co-contaminant dioxins may have toxic effects. However, if used properly potential contamination of dairy herds and milk products are negligible.

Skim Milk - also called nonfat milk, has had sufficient milkfat removed to bring the level to less than 0.5 per cent. It must contain not less than 8.25 per cent solids-not-fat and must be fortified with vitamin A. If nonfat solids are added to reach the 10 per cent level, it must be labeled "protein fortified" or "fortified with protein". Addition of vitamin D is optional.

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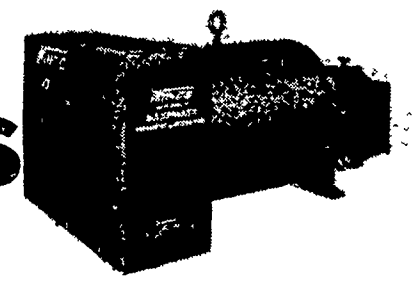

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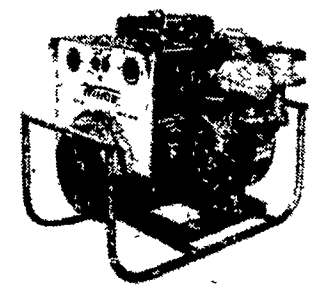

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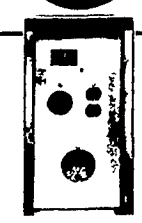

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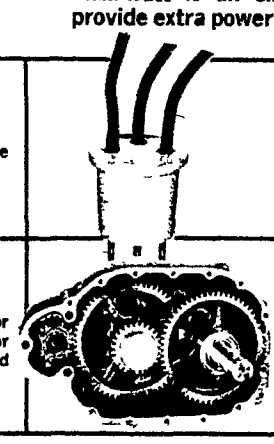

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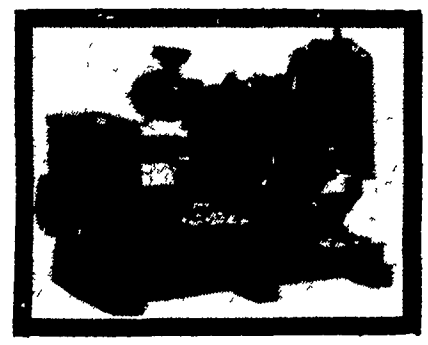

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Linde's Guernsey milk is a natural

By DIETER KRIEG

OXFORD – A dairy herd management philosophy which combines the essentials of Nature with modern technology is enabling a Lancaster County Guernsey breeder – Karl D. Linde – to make several noteworthy marks in the dairy business.

Linde's accomplishments with Guernsey cattle are all

(Turn to Page 161)

Axel Linde, a 1978 graduate of the vocational agriculture program at Solanco High School, gives the family's Guernseys a reward for a job well done. The Linde herd averaged $999 above feed costs last year on DHIR.

Linde cow production record told

PETERBOROUGH, N.H. – Lindenhof P R Don Theresa a junior five year old registered Guernsey cow, owned by K.D. Linde, Oxford R1, has completed an official DHIR actual production record of 18,060 pounds of milk and 901 pounds of butterfat, in 305 days or two times a day milking, according to The American Guernsey Cattle Club.

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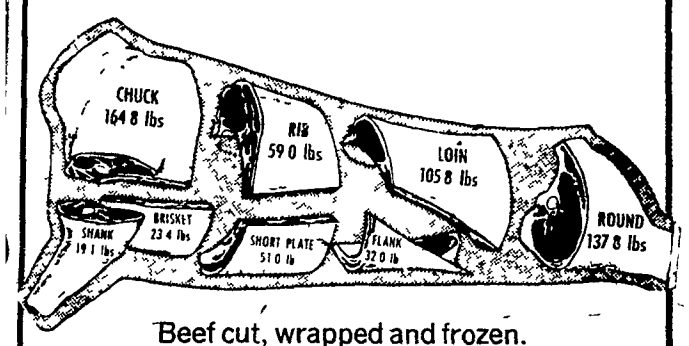

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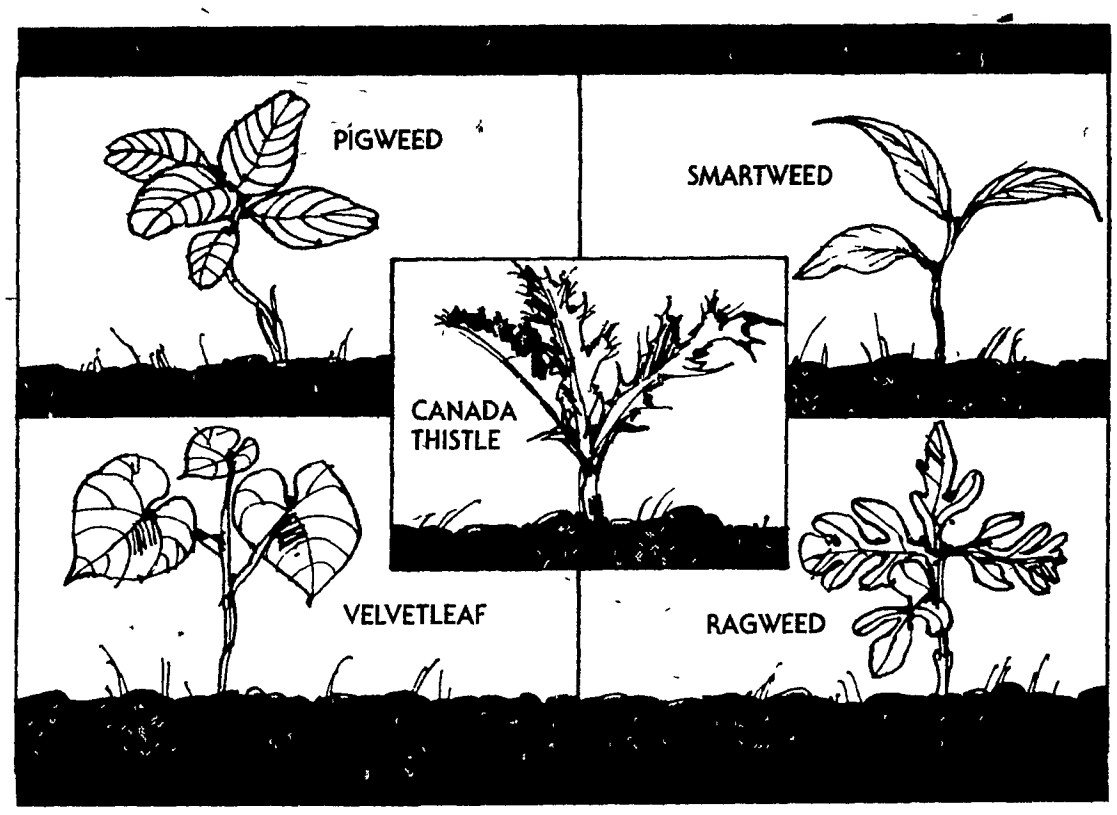

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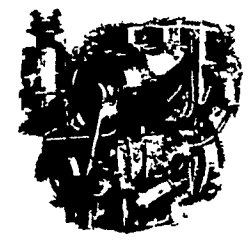

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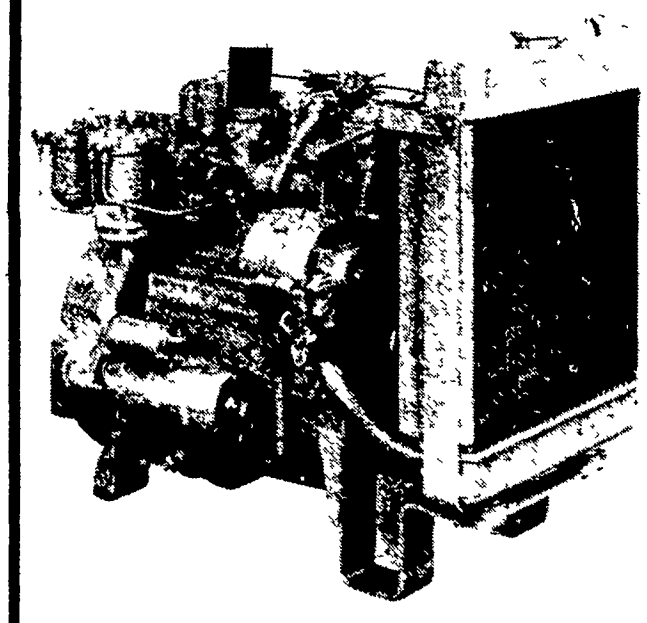

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Lancaster Co. DHIA

(Continued from Page 146)

Donald R. Bare R&GrH	33	61.3	85.5	52.7	4.0	2.11
Harold G. Shelly RA	30	13.0	100.0	51.1	4.1	2.11
John F. Stoltzfus R&GrH	36	27.6	89.2	54.0	3.9	2.11
David B. King RH	30	32.3	94.7	53.2	3.9	2.10
John Omar Stoltzfus RH	35	43.1	89.3	54.1	3.9	2.09
Amos F. Miller Mix	30	30.3	97.1	59:1	3.5	2.09
Meadow Vista Farm R&GrH	31	119.7	93.9	51.8	4.0	2.08
Roy C. Neff R&GrH	28	62.9	90.9	50.4	4.1	2.07
Paul H. Martin RH	24	34.6	84.2	62.2	3.3	2.06
Abraham Shelly Jr. R&GrH	31	41.5	88.4	56.5	3.6	2.05
Paul D. Welk R&GrH	26	66.5	92.3	52.4	3.9	2.05
John K. Stoltzfus RH	28	31.0	88.7	52.1	3.9	2.04
Robert L. Shelly R&GrH	28	33.7	93.8	50.2	4.0	2.03
Clarence W. Shirk R&GrH	22	20.0	100.0	58.2	3.5	2.03
Albert E. Fry RH	28	29.0	92.7	48.9	4.1	2.02
Allan R. Shoemaker RH	31	47.0	93.8	54.9	3.7	2.02
C. Witmer Sherer RH	28	45.8	94.9	55.9	3.6	2.02
J.Z. Nolt RH	28	32.0	84.2	54.9	3.7	2.02
Karl W. Herr Mix	29	57.2	96.3	50.7	4.0	2.02
John E. Fisher R&GrH	29	29.9	89.5	59.0	3.4	2.02
Noah K. Beiler R&GrH	30	40.3	96.0	57.2	3.5	2.02
Earl L. Hershey R&GrH	31	50.1	88.6	49.6	4.1	2.01
J. Mowery Frey Jr. RH	28	91.9	85.7	50.2	4.0	2.01
Robert F. & Joan B. Book R&GrH	38	64.1	93.9	52.6	3.8	2.01
Eli K. Glick R&GrH	30	27.8	93.0	53.4	3.8	2.01
Samuel K. Stoltzfus R&GrH	30	38.4	91.8	54.2	3.7	1.99
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John S. Beiler R&GrH	28	26.6	92.3	51.6	3.8	1.98
Harold B. Good R&GrH	38	33.1	91.8	53.9	3.7	1.98
Nathan E. Stoltzfus RH	15	62.6	96.2	48.8	4.1	1.98
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Albert Breneman R&GrH	35	67.7	90.8	53.9	3.7	1.97
P. Robert Wenger R&GrH	30	35.7	95.0	48.4	4.0	1.96
Isaac K. Eby RH	63	39.3	87.7	49.0	4.0	1.96
K.D. & Else Linde RG	32	44.4	88.6	41.8	4.7	1.96
Ben K. Stoltzfus R&GrH	28	39.3	84.6	53.3	3.7	1.96
Samuel L. Esh R&GrH	34	29.4	94.5	52.5	3.7	1.96
Naaman W. Stoltzfus RH	25	33.1	89.6	50.0	3.9	1.96

(Turn to Page 173)

Nat. Central divided declared

LANCASTER — A regular quarterly cash dividend of $.37 per share was declared by the Board of Directors of National Central Financial Corporation, parent company of National Central Bank, at its May 23 meeting, according to an announcement made yesterday by John C. Tuten, board chairman.

This quarterly dividend is payable July 20, 1978, to shareholders of record June 20, 1978.

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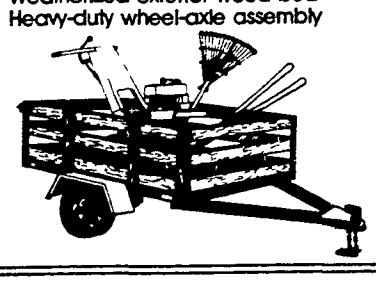

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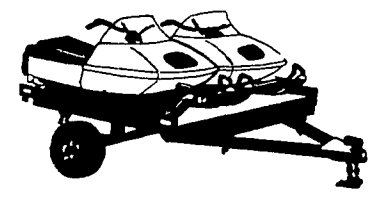

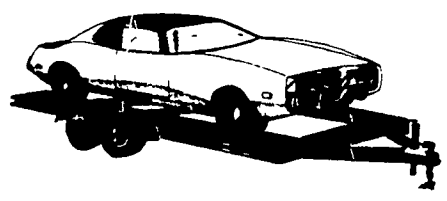

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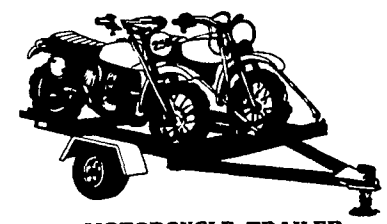

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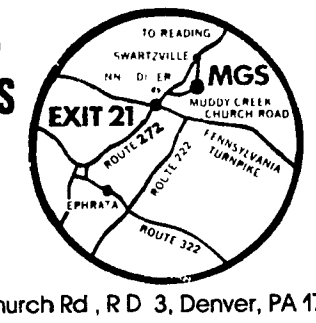

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Linde's Guernseys

(Continued from Page 159)

the more noteworthy when one considers that he came to the United States 28 years ago with no prior knowledge of dairy cattle. A former prisoner of war in England, he began his agricultural career on the Arthur Brown farm, in southern Lancaster County. Linde doesn't consider his early non-familiarity as a handicap, however. Rather, he believes it may have enabled him to gain a quicker and better understanding of Pennsylvania agriculture. Since farming in Germany differs considerably from farming in this country, he believes any prior knowledge may have caused him some confusion.

Throughout their life on the farm, Linde, his wife, Else, and their four children - Karl, Gilbert, Mildred, and Axel - have maintained a respectful attitude towards their resources and abilities. They have constructed numerous buildings on their own, using lumber cut from their carefully managed woodland. The boys have made several pieces of furniture for the family's home, and have modified implements for more efficient use. These accomplishments serve as further examples of how the Lindes constantly attempt to make full use of what they've got - whether it's with a herd of dairy cattle, an old hay rake, or a fallen walnut tree. They're tangible results of a philosophy which combines the gifts of Nature with technology and talent. According to Linde, all it takes to make it work is a willingness to observe and learn.

Working with a herd size which hasn't changed significantly since he began farming on his own in 1952, the K.D. Linde Family of Oxford R1 is keeping pace with the top 10 per cent of dairymen in the state. Last year's DHIR figures credit the Lindes' Guernseys with an average production of 14,143 pounds of milk, a 4.7 per cent test and 658 pounds of butterfat. That gives them the lead among Pennsylvania Guernsey breeders for the second year in a row.

The fact that Linde - who came to the United States from Germany in 1950 - hasn't found it necessary to expand his farming operation in 25 years is in itself a noteworthy accomplishment. Rather than expand, the Linde family chose to fight economic pressures with precision management. It's a philosophy which put their farm - "Lindenhof" - on the map.

Last year's DHIR figures disclose that income per cow for the year was $1540. Feed costs of $541 left him with an above feed costs margin of $999 per cow.

Linde claims to have no special practice in his management program, but he repeatedly stressed: "Farming is observation from top to bottom – in the field as well as in the cow stable." He literally farms as much with his eyes as with his hands. His animals' behavior is constantly observed. The consistency and color of fresh manure for example, is one factor which helps tell Linde whether or not his feeding program is balanced. Overlooked by some dairymen, or an impractical procedure in larger scale operations, Linde takes these kind of careful management practices very seriously. "The eye of the farmer is the key," he explains.

Beyond that, Linde says everything can be narrowed down to feeding, breeding, punctuality, regularity, and the use of computer-age technology.

A 1976 recipient of Lancaster County's Outstanding Conservation Cooperator Award, Linde's dairy herd management begins in fields and pastures. He takes care to assure top quality crops,

(Turn to Page 162)

K.D. Linde is one of Pennsylvania's outstanding dairymen, having steered his herd of Guernseys to first place in the state for two years in a row.

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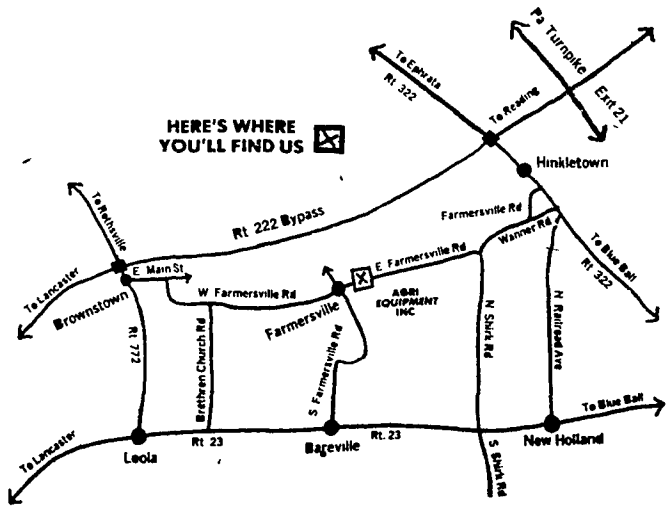

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Linde's Guernseys

(Continued from Page 161)

including corn, alfalfa, timothy, and barley.

Pastures at Lindenhof are unique. There are 12 permanent pastures on the farm, but none is more than a couple acres in size and cows never graze an area for more than two days at a time. Each lot has its own supply of fresh water and is managed with meticulous care, to assure cleanliness and avoid erosion. Spring water which used to run freely through the pasture is now confined to underground pipes through which it flows from one pasture to another. The locations at which the water is allowed to surface are lined with concrete and tile. Mud is therefore eliminated. Areas to which spring water can't be directed conveniently have water bowls which are connected to the barn's water system.

Availability of fresh, clean water is one of the keys to good production. K.D. Linde manages his water supply carefully and has even taken steps to insure that the drinking area won't be trampled into a puddle of mud.

DHIR data for 1977 registered a cost of $60 per cow per year for pasture expenses.

In talking with Linde, it quickly becmes obvious that he considers a grazing area to be more than a source of feed. He is convinced that cows with access to pasture are healthier and more productive. Expanding on that thought, Linde adds that natural feed sources are more efficient in the cows' digestive tract. Aside from the 210-day pasture season, Linde regards hay as a natural feed source. His cows receive all they can eat - up to 15 pounds per day. Total hay consumption per cow for the 1977 DHIR year was 3000 pounds, costing $104.

Linde prefers good alfalfa hay, but will not feed it if the herd happens to be grazing on alfalfa. In that case he offers timothy. "Balancing a ration is very important," confirms Linde, adding that keeping an eye on the phosphorus and calcium levels is critical if breeding problems are to be minimized.

Grain is fed fairly liberally, Linde acknowledged. He uses all of his own feedstuffs and has a 42 per cent protein concentrate mixed with it. Minerals are added as needed to balance phosphorus and calcium levels. The completed grain ration tests 12 per cent protein and is fed according to production, stage of pregnancy, age of the animal, and individual body requirements. The maximum amount of grain offered to any cow per day is 30 pounds. The average cow at Lindenhof last year consumed 6000 pounds of grain, costing $320.

None of the Guernseys at Lindenhof get short-changed on attention and feed during any time of their life. Individual care is stressed throughout, with special emphasis being given to clean, dry, well-ventilated and draft-free surroundings. Youngstock is raised in a concrete block buildings which are open to the south. First-calf heifers are fed liberally to keep them growing.

The time spent feeding a young calf properly pays high dividends later, notes the accomplished Pennsylvania dairyman, whose mature Guernseys weigh an average of 1200 pounds today, compared to 950 to 1000 pounds 10 years ago. The increased size in his animals has prompted Linde to alter his stabling from 60 by 36 inch stanchions to 68 by 54 inch comfort stalls.

Linde prefers raising his calves on colostrum for the first four to five days and then follows it with whole milk powder until they're eight weeks old. Again, he believes it's important to feed according to Nature's designs. He shys away from milk replacers which are made from non-dairy products. The goal is to encourage and nourish the growth of beneficial organisms within the animals' gut. Silage and pasture is withheld from youngstock until they're five months of age. Grain is fed until they're eight months old, and then halted until about a month before freshening.

Combining meticulous management with an outcross breeding program, Linde aims for a calf per cow every 12 months. He admits, however, that it isn't always possible or practical. Sometimes breeding dates are tailored to the individual cow's production pattern.

Breeding difficulties, as well as other herd health problems, are minimal - a fact which Line attributes to management. His herd averages one case of milk fever per year, one to two twisted abomasums, and occasional retained placentas. Mastitis incidents are rare. Massaging under the udder in strokes away from the teats are helpful, Linde believes. Older milkers receive dry cow treatments.

The way to dry cows off, says Linde, is to abruptly stop milking and turn the cows loose in another environment. For him, that means turning the dry cows in with bred heifers. It has worked at Lindenhof. DHIA statistics prove it.

Computer technology is the final ingredient to good management, says Linde. By using the latest data for herd and sire performance, he believes any dairyman can imporve his situation. As for the future, the amiable dairyman says: "Guernseys are staging a come-back, 15,000 to 16,000 pound herd averages are definitely possible."

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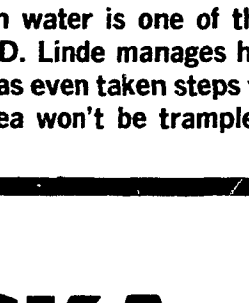

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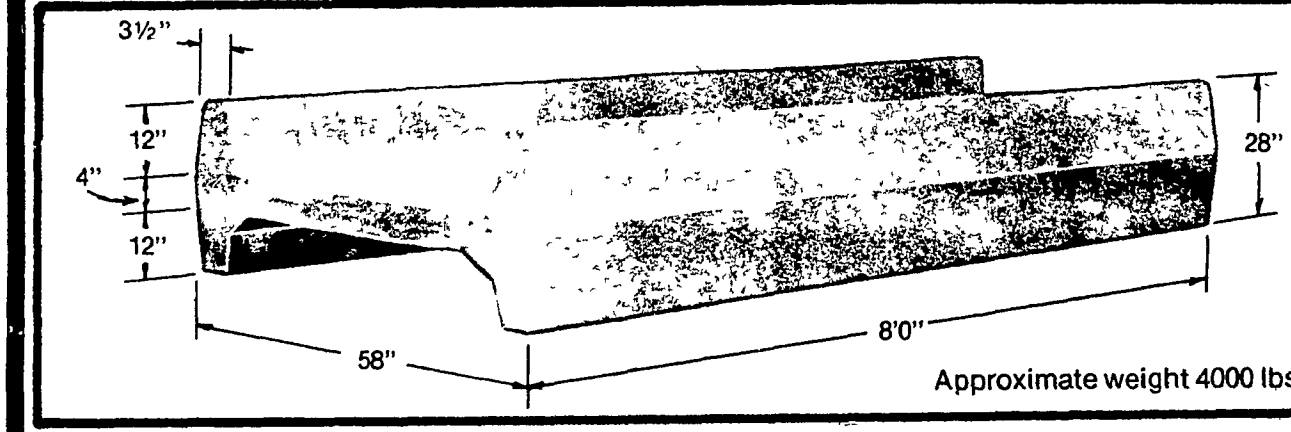

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First milking experience leaves farm writer cowed

EDITOR'S NOTE:
Melissa Piper Bowman was associate editor of Lancaster Farming until June of 1976. She continues to write agricultural stories and submitted the following article – an amusing account of her first experience at milking.

By MELISSA PIPER BOWMAN

One of the most beautiful rural scenes has to be cows lazily grazing in lush green pastures on a sunny Summer day.

The whole picture of it lends itself to the feeling of peace and tranquility - the cows quietly munching grass, switching their tails at colorful butterflies, and uttering an occasional long low "mooooo" that travels on the breeze. Add to the scene a pretty farm dog and a bunch of wild flowers and the moment is preserved as something you'd remember a long, long time.

And, in that setting, who couldn't believe that cows are the most docile farm animals ever created?

Me, for one!

Yep! I've learned that between the time those serene-looking animals begin their walk from the pastures to the barn, they undergo a very unnatural personality change. A human psychologist would call the condition schizophrenia - or the exhibition of two separate personalities in one person. I'm certain some cows must suffer from the same problem.

I haven't figured out whether the sight of the barn or the configuration of the milking parlor triggers the bovine version of schizophrenia, but by the time you're ready to put the milkers on some cows, the change has been complete.

For those cows most vulnerable to the condition, the transformation begins with the eyes. Suddenly, a glaze seems to cloud over the gentle big brown eyes and the eyelashes start to quiver. Yep, that's your first hint.

Then, just the time you're ready to attach the milker, an "involuntary" twitch in the leg takes over, and initiates a reponse known as a kick.

Secondary to the kick is the shifting of body motion better known as a stomp. This is quickly followed by the more familiar "stepping on the hand" routine!

Well, speaking of dual personalities, at that point I begin to feel a change coming over me. The first symptom is a verbal reaction best described as "muttering under your breath." This is swiftly followed by body motions that range from clenching of fists to karate-kicking the opposite wall of the parlor.

The final and most profound symptoms I have displayed, call for throwing my hands into the air, turning blue around the face, emitting a screech and exiting the milking parlor at a trot.

Now you seasoned dairy folks would call my reactions downright cowardly, but you have to realize I caught "bovine-activated schizophrenia" the first time I tried to milk on my own.

You see, one Lancaster County family thought I needed some first hand experience in dairying if I were going to be a really good ag reporter; their initiation being to leave me and the cows alone.

Well meaning as they were, the family just didn't realize what predicaments would befall me, especially since I had never milked a cow before. Add to my inexperience one broken belt on the vacuum pump and a jammed feed auger, and you can't help feeling sympathy toward a farmer's daughter who grew up raising pigs - not cows!

Fortunately, the longer I work with animals, the less frequently I succumb to the Dr. Jeckel-Mr. Hyde transformation, but I still think its a cronic ailment with some cows!

Yep, I don't let cows fool me anymore. Every time I see that beautiful scene of them grazing in the fields, my palms start to sweat and my smile fades to a tight-lipped smirk.

I'm just glad most of you dairymen are immune to "bovine-activated schizophrenia" or we wouldn't have the top quality dairy products this area is noted for.

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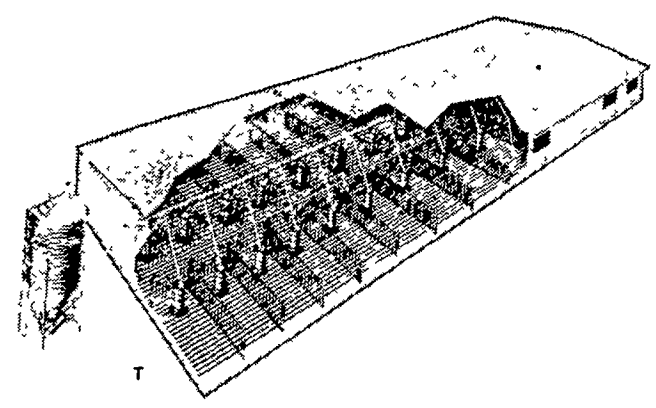

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First U.S. cows artificially bred 40 years ago

FLEMINGTON, N.J. – May 16 has come and gone. And, it wasn't until a couple days later that the significance of the date was realized.

Forty years earlier, on May 16, 1938, the first cows were bred artificially in the U.S. It happened in Hunterdon and nearby Warren and Somerset Counties, N.J.

"Life may begin for some at 40" but not for Cooperative Artificial Breeding Unit 1. To be sure, it will continue to thrive, progress, and improve its services in the years ahead. But, much has happened in its 40 years of existence. It's been a story of remarkable growth and achievement.

Back on that day of May 16, 1938, four cows were bred by the Unit's first technician, Dr. James A. Henderson. Dwight Babbitt, former Hunterdon Agricultural Agent and a pioneer in the program, had the calls listed. His handwritten note in their files.

The farms on opening day were Kingman Brothers, Three Bridges; Fred Myer, Somerville; Hans Schanzlin and Son, Washington; and Clifford E. Snyder, Pittstown, all from New Jersey.

There were 97 dairymen with 1041 cows enrolled in the program back on starting day.

To be sure, there were many skeptics. How can one replace a bull on the farm? Can a person trust a crazy system like this to breed his cows? Will the calves born have two heads and three eyes?

Apparently, the 97 participants were game enough to give it a try, and during the first 12 months, 3,271 cows were bred artificially in the three-county area. A report indicates that 1,070 "caught on first service." A total of 1950 cows were "assumed pregnant."

Vitally important to the program in New Jersey, and U.S. for that matter was Enos J. Perry, then Extension dairyman at Rutgers. He brought back the idea and the technique from Denmark. It was at a meeting of the Hunterdon County Board of Agriculture that he gained the initial support needed to start the program. And, Dwight Babbitt worked very closely with him, as did other agricultural agents in neighboring counties.

Stalwarts among the farmers were people like Clifford Snyder, Pittstown. He served for many years as the organization's president. Lloyd Wescott, then of Clinton, contributed great support to the program. The Co-op used his farm at Spruce Run as its initial headquarters.

The service provided by Unit 1 has developed to an extraordinary level. Quality, choice of outstanding sires, all are well beyond the dreams of the pioneering dairymen.

Unit 1, after a series of mergers is now a part of Northeastern Breeders Assoc., affiliated with Sire Power, Inc. Bulls are housed in a large facility at Tunkhannock, Pa. Semen is processed, frozen and distributed over many states. Principal service area, however, is Maryland, West Virginia, Pennsylvania, and New Jersey.

The A.I. program nationwide yes, world-wide, is a tribute to those early cooperators. And, if a person would like to see an excellent example of what A.I. has done, he can stop in sometime to look at the 100-cow Holstein herd owned by Stanley Douglass and Sons, Pittstown. Now a three generation dairy farm operation, it boasts an outstanding herd of high producing, highly efficient cattle.

Looking at the A.I. Industry today, one notes its vastness, the tremendous advancements in knowledge, techniques and quality of sires.

And, one has to appreciate the vision, determination, and courage of those 97 dairymen and a few Extension people who launched that first artificial breeding cooperative.

Jam and jelly workshop set

WEST CHESTER – Berry season is upon us, and an actual demonstration on procedures for jelly making as well as pickling of fruits and vegetables is planned by the Chester County Cooperative Extension Service. A workshop will be held at Chester County Federal Savings and Loan, Community Room, Market and High Streets, West Chester.

The program will be held on Wednesday, June 7 from 9:30-11:30 a.m. All interested persons are invited to attend - no pre-registration is needed. For further information contact the Extension Office, 235 W. Market Street, West Chester, 215-696-3500.

Freight rate increases opposed

ROSELAND, Ark. – The American Soybean Association (ASA) strongly opposes proposed 10 to 20 per cent freight increases for grain being considered by the Southern Freight Association (SFA).

SFA's Emergency Proposal 276 calls for 10 per cent rate increases for grain shipped by rail from September 1-30 and January 16 to February 28; and 20 per cent increase for grain shipped from October 1 to January 15. A hearing on the proposed increases was held Wednesday (May 31) in Atlanta.

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Caterpillar outbreak reported

YORK – Outbreaks of the Eastern Tent Caterpiller seems to be a problem again this year in York County according to experts. The silky tent spun by the caterpillars make yard trees unsightly and the caterpillars are annoying when searching for food or a suitable place to spin their cocoons. The caterpillars do not feed within their webs, but congregate there during the night and rainy weather.

When caterpillars are abundant, they frequently eat all the leaves on a tree which weakens it, but seldom kills it. The leaves of the host tree may be stripped from all the branches within a distance of three feet of the nest. The favorite trees the caterpillars will feed on are crabapple, wild cherry, and fruit trees.

Eastern Tent Caterpillars larvae are prey for other insects, toads, and birds. Several kinds of small wasp-like insects parasitize the larvae. Many caterpillars also die during unfavorable weather.

To control the caterpillars with an insecticide, one should apply either Sevin, Malthion, Dipel, or Orthene to the nest and about two feet of the surrounding branches. Sprying should be done in early morning for best results.

Eastern Tent Caterpillars do not become Gypsy Moths.

DHIA is useful

ITHACA, N.Y. – Dr. Robert Everett, of the Cornell University Department of Animal Science, says that the use of DHI records for improved management has proven to be very profitable to dairymen.

"The return on investment of DHI fees runs from three to 944 per cent. The greatest return is with large herds while herds with less than 30 cows may find the recordkeeping system unprofitable," he emphasized.

Dr. Everett noted that dairymen have been consistently saying they want profitable cows with longevity. Research results on DHI records revealed that the heritability of longevity is low (.08), which means that selecting for longevity would be very difficult.

"Further research shows that increases in longevity can be made indirectly by selection for production," he said. "The high genetic correlation between milk and longevity indicates that selection for high production bulls will increase longevity. However, selection for type will decrease production and longevity. Therefore, major selection emphasis should be on production."

Hershey Bare

(Continued from Page 148)

grown corn and oats, and a commercially available 32 per cent supplement. The ration is prepared on the farm.

Top producers in the Bare herd receive no more than 24 pounds of grain per day. One reason grain feeding is comparatively low is that Bare is convinced heavy grain feeding contibutes to incidents of twisted abomasums. A second reason is that he depends heavily on hay. During the Winter months, his cows receive hay four times per day.

In explaining his feeding program, the Lebanon County dairyman points out that he is not opposed to haylage. In fact, he's convinced it's good feed. He hasn't incorporated it into his mangement because he's satisfied with his present system and is not eager to invest in new machinery and storage facilities.

A story about Bare's operation would be incomplete if his machinery management didn't receive mentioning. He takes pride in well-maintained equipment – again, for the reason of being able to have dependable machines for the production of top quality feeds. Whereas some farmers may not even bother to park their equipment under roof, Bare goes one step farther. He even has much of his equipment covered with old carpets or blankets to keep them looking and running as good as new.

Bare's final crop – milk – is "harvested" in a comfort stall barn. A pipeline and six milk machines help cut chore time.

Born and raised near Bird-in-Hand in Lancaster County, Bare and one of three brothers, Harold, moved to Lebanon County in 1963. They formed a partnership and purchased two farms which together comprise 167 acres. The two young men built up a herd of top quality Holsteins, and in 1974 decided to go their separate ways. A complete dispersal was arranged, the results of which still stand as a record to this date. A total of 122 head of cows, heifers, and calves were sold for an average of $2021 per head.

Both Harold and Hershey continued farming after the sale. With this partnership dissolved, Harold purchased a farm of his own in Chester County and Hershry continued at the farm north of Lebanon. He purchased two herds of mostly registered Holsteins and proceeded to work for the kind of herd he had grown accustomed to. The cows he started with are described by Bare as "a cheaper grade of cow." His rolling herd average illustrates the improvement on the production end. On a recent classification, he came up with two excellents, 18 very goods, 44 good plus, and six good. "I use only plus proven bulls for production and type," the dairyman confirmed, naming "Elevation", "Astronaut", and "Marvex" as his favorites.

In addition to the 167 acres he owns, Bare rents 100 acres of nearby cropland. Aside from the 95 acres of alfalfa, he has 90 acres of corn, 25 of wheat, and 17 of oats. All fields are closely watched for signs of problems. Top yields are always the goal. In the case of hay making, Bare believes it's best to cut early - even before the alfalfa has reached the bud stage. A relatively new innovation of his when it comes to making hay is that he likes to add a little timothy to his alfalfa stands. Advantages include a better stand, the crop dries better, and the cows like it more.

A past president of the Cedar Crest Young Farmers, Bare has gained a reputation as a top manager and hard worker. But the Lebanon Countian is quick to point out that he doesn't do it all himself. He speaks most highly of his hired man, Henry Garling. Bare's wife, Mary Ann, and their sons Mike, 15, and Robert 9, also pitch in.

Bare raises his calves in individual stalls that he has set up in the cow stable. Feeding them adequately is most important, says the accomplished dairyman, who later this month will represent Pennsylvania at the National Holstein Convention in Louisville, Ky.

"I keep the calves on milk replacer for 70 to 80 days," Bare explains. "You've got to feed your heifers well if you want top production," he affirmed. First-calf heifers come fresh at two years, four months, to two years, six months of age.

While plenty of work is a part of any farming operation, Bare is a firm believer in having some time off for vacations. "But never when there's field work to be done," he exclaims.

Bare is also one who appreciates his farming career very much. "Some farmers complain about how rough they have it, but if they had to carry a lunch kettle to a factory every day and do the same thing day after day, I believe they'd learn a big lesson," the Lebanon Countian says. Bare worked in a boat factory for two years and acknowledges that that experience helped "make me appreciate the farm a little more."

"There's something about a farmer putting a crop into the soil and seeing it come up. It does something to a farmer", Bare confessed.

The dairy business is a good occupation with a good future, the Lebanon Countian concluded. For younger fellows wanting to get started in dairying, Bare recommends a modest beginning. "You can't go out and buy all high priced cows and the latest machinery," he warns.

Tractor pulling program expanded

BRADFORD -- The Kendall Refining Division of the Witco Chemical Corporation, Bradford, Pa., has announced that it would be expanding its pulling contingency support program through the National Tractor Pullers Association.

In announcing the support program, Larry Woods, Director of Competition for Kendall, said that the competitors that are point champions on the 1978 NTPA Grand National Circuit and use Kendall products will receive $200 for their accomplishments. The second place finishers will receive $100. For the first time, class winners at the twelve GNC events will receive $20 if Kendall products are used. All monies will be awarded at the NTPA Awards Banquet in Indianapolis, Indiana December 2.

Kendall has been a contingency sponsor since the formation of the NTPA in 1970.

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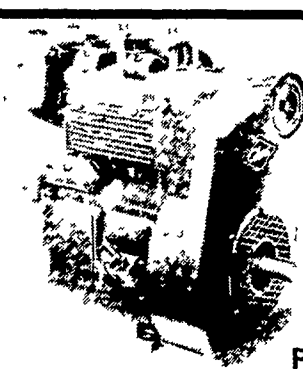

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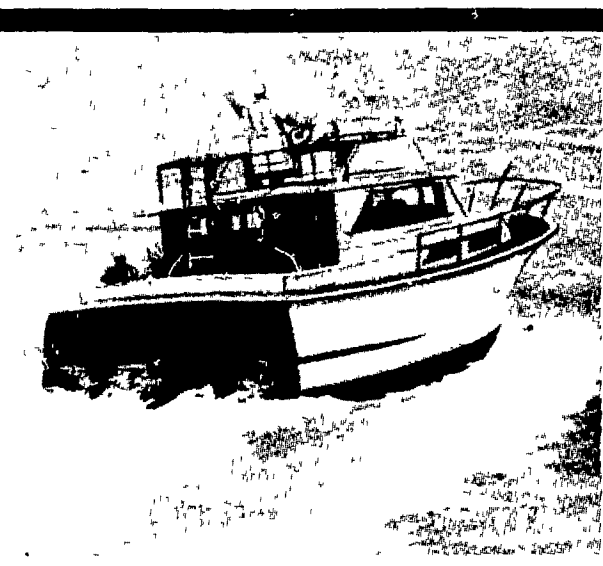

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Milk enzyme involved

Coronary disease hypothesis erased

ROSEMENT, Ill. – Considerable publicity has been given to an hypothesis that xanthine oxidase, an enzyme found in cow's milk, is linked to coronary heart disease. It has been maintained that when milk is homogenized, xanthine oxidase (XO) can be absorbed directly through the walls of the intestine, can enter the blood stream intact, and can then damage the walls of arteries, thus leading to arteriosclerosis and coronary heart disease.

Research experts have stated that the XO concept was implausible since the large XO molecule would almost certainly be broken down during the digestive process and that if it were to enter the intestine intact, it could not be absorbed directly because of its vast size.

The Food and Drug Administration (FDA) published a statement that there was no cause for alarm, and that milk drinking should not be discouraged. After careful review of the XO hypothesis, the American Heart Association, National Heart, Lung and Blood Institute, and American Medical Association similarly said that there was no need for consumer concern over the matter. Upon extensive scientific and medical examination of the XO hypothesis, the Life Sciences Research Office of the Federation of American Societies for Experimental Biology that "the evidence supporting the hypothesis is inconclusive. Most consultants in this study expressed doubt that xanthine oxidase in bovine milk could be significant as a causal or risk factor in atherogenesis."

Recent research has shown that "xanthine oxidase absorption was minimal... consequently the data would not support the hypothesis of xanthine oxidase absorption." This work indicates in a definitive scientific manner that the xanthine oxidase molecule is largely broken down by the digestive process, and that what is not digested is not absorbed. As the XO hypothesis hinges on the concept that the XO molecule enters the bloodstream intact, this new work amply demonstrates that there is no substance to the XO hypothesis and that there is no danger in drinking homogenized milk.

It has been recently hypothesized that XO may be incorporated into fatty particles called liposomes and thus protected from the normal digestive processes. Experimental data, however, refute this latest hypothesis. By its nature, XO would be bound on the outside of the liposomes, and thus it would be accessible to the digestive process; tests show this to be true, in that XO is readily metabolized. Moreover, there has been no demonstration that liposomes can serve as a carrier for any protein given orally, and that would include XO. Thus this newest hypothesis fails to stand up under scientific scrutiny.

The whole XO hypothesis remains amply refuted despite attempts to revive it.

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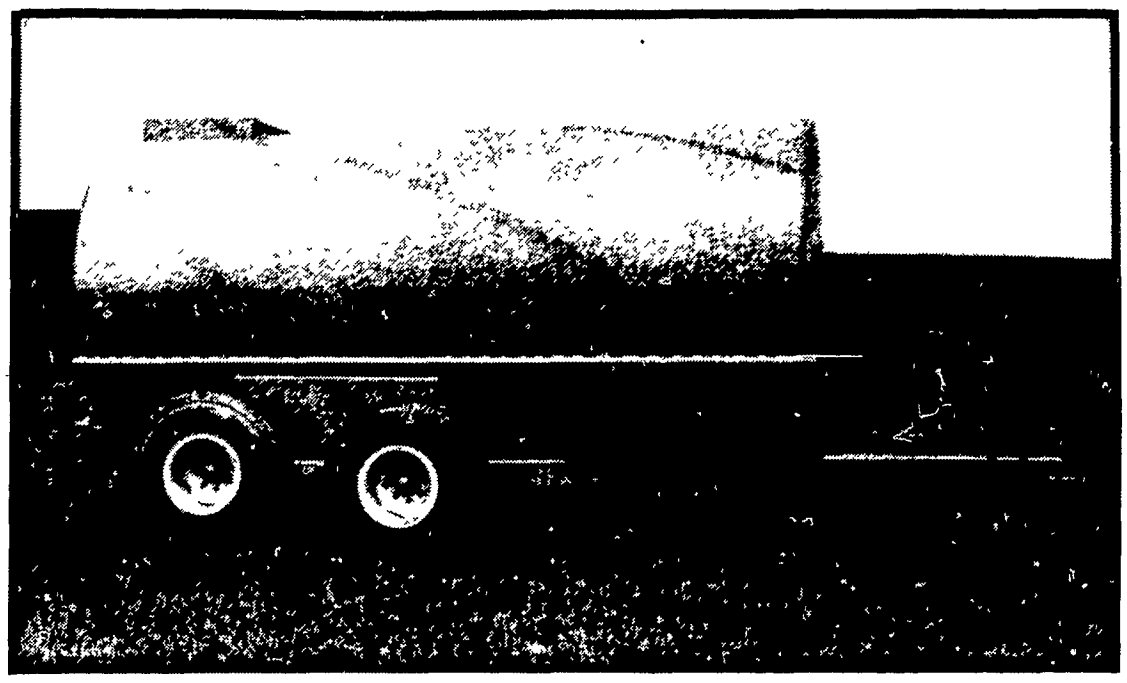

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Poor heat detection noted

UNIVERSITY PARK – One of the main reasons for poor conception rates in herds is the dairyman's inability to detect heat cycles, points out Dr. Richard Saacke, professor of dairy science at Virginia Polytechnic Institute, and a former member of Penn State's dairy science faculty.

Saacke cited one study where television monitors were used to show what cows were showing signs of heat. The study concluded that mounts were highest at midnight and lowest during the day. Some cows, he said, mounted 50 to 60 times in the night hours, none during the day, and many times the next night.

"Dairymen must use heat detection aids such as chin balls, pressure devices on the rump, or hormone-treated cows (cows prepared as mounting cows)," the dairy specialist noted.

Numerous studies show cows on pasture have a higher conception rate than those contained in loose housing facilities. Cows in loose housing also show periods of short heat periods.

"High producing cows generally take longer periods of time to come back into a normal heat interval," Saacke said. "They, also don't conceive as easily as the lower producers. This primarily is centered around nutrition following calving."

The VPI professor outlined three ways to improve reproductive efficiency: use breeding records, improve heat detection efficiency, and establish sound herd health programs.

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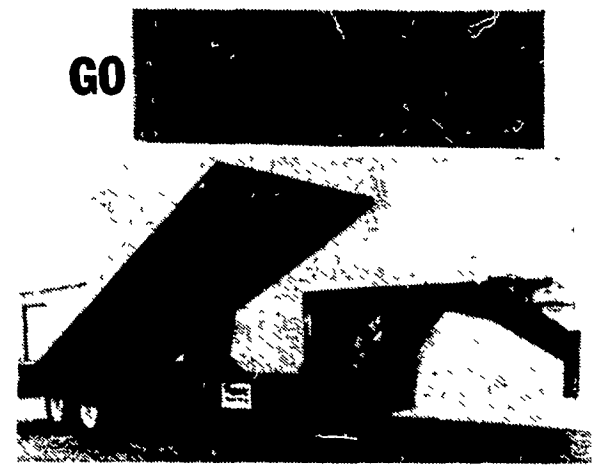

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Famed researcher offers mastitis control tips

By DIETER KRIEG

LANCASTER – When a dairyman wants to cure a cow of mastitis, he'll have twice the chance of success at the time he dries her off, compared to while she's lactating. So says one of the nation's foremost authorities on the subject, Dr. Nelson Philpot.

Philpot, who visited Lancaster earlier this year to give lengthy presentations on mastitis – its prevalence, economic importance, milking procedures, and teat dipping, also says that the best way to dry a cow off is to quit milking her and inject each teat with dry cow medication. He frowns on the idea of reducing milking frequencies, such as going to once a day or every other day milkings.

Director of the Mastitis Research Laboratory at Louisiana State University, and author of more than 130 articles on the subject of mastitis control, had an estimated 400 dairymen listening to his talks when he participated in the annual Dairy Day program in early March. It was the largest turnout ever for such an event. Babson Brothers and Co., manufacturers of Surge Dairy Equipment, were instrumental in scheduling the famed mastitis researcher to appear in the Garden Spot.

The most susceptible times for a cow to get mastitis are right after freshening and for one to two weeks after being turned dry, the visiting professor noted. Pointing out that the dairyman has numerous options available to him for checking and treating mastitis cases. Philpot emphasized that proper use of medications is extremely important in all cases.

"The dairy industry has to do more about drug residues showing up in the milk supply," Philpot warned emphatically. He considers violations a "major problem" and hinted that if dairymen don't clean their act up on their own, the Food and Drug Administration would be prepared to do it for them. The possible consequences of the federal government stepping into mastitis control could be that certain medications would be banned and stringent testing procedures could be put into effect to prevent contaminated products from reaching the market.

Philpot considers intramuscular injections for mastitis treatment to be "not much good," and notes that in such cases dairymen have to be doubly careful with drug residues. They could show up in the carcass, if the animals end up going to the meat market sooner than label instructions allow. The Food and Drug Administrations has given consideration to having all carcasses await testing before payment is made. If drugs are found in the carcass, payments are withheld and the farmer is charged for the costs of testing, carcass disposal, etc.

But despite the potential seriousness of drug use infractions on the farm, Philpot was not in town to lecture dairymen on that subject. His topic was oriented more towards the cause and prevention of mastitis.

Cleanliness and milking a cow soon after calving help reduce incidents of coliform mastitis, Philpot began. He further claimed that "if you don't milk a cow out cleanly during the first three or four days, you'll reduce her lactation potential by five to 10 per cent."

Coliform infections of

Nelson Philpot

mastitis aren't spread from cow to cow, Philpot continued. "They come from the environment," he explained. "They are not a problem while you're trying to dry a cow off, but rather, at the time of calving."

He suggests farmers make every effort to insure that their calving areas are as clean and sanitary as possible.

Other tips Philpot has for the dairyman include: keeping milk lines as short as possible in order to help minimize vacuum fluctuations in the claw. "Invest in a good vacuum control unit. Too many dairymen spend thousands of dollars on a vacuum system and just $10 or $15 on a control unit," Philpot said.

An effective mastitis control program can yield an extra 1000 pounds of milk per cow per year. Additional income per cow per year would be around $105, compared to about $15 worth of extra expenses per cow per year. The dairyman would benefit additionally from fewer cows being culled out of the herd, lowered veterinary costs, and more pleasant milking.

Philpot frowns on what he calls "the fire engine type veterinary service." Too many dairymen operate under emergency circumstances, rather than on complete, routine herd health service programs, he believes. He urges dairymen to adopt the routine check-up program.

On other mastitis related topics, Philpot says that feeding mastitic milk to heifers is generally okay, and that there's nothing significant about dipping teat cups between cows. "If it's done, then do it right," the educator and researcher advises. "Plunging all four teat cups into the bucket doesn't do any good ... the cups have to stay in for a little while to become disinfected," he explained.

Feeding mastitic milk to heifers is generally okay unless the calves are sucking each other, in which case bacteria might be introduced into the udder of the young animals. The bacteria can stay in the heifer for two years.

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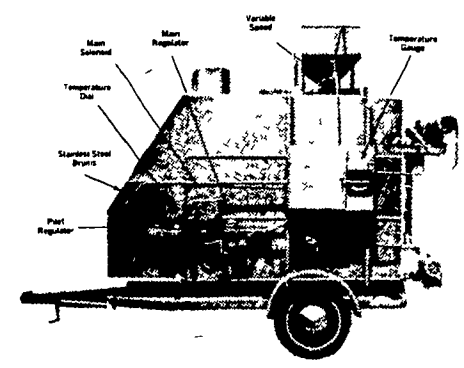

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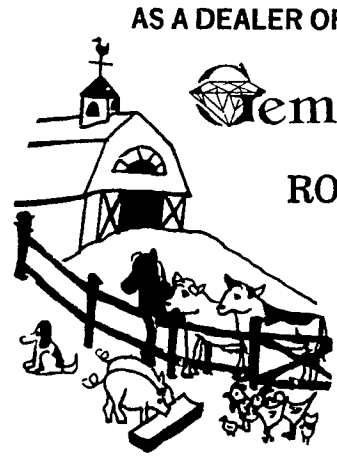

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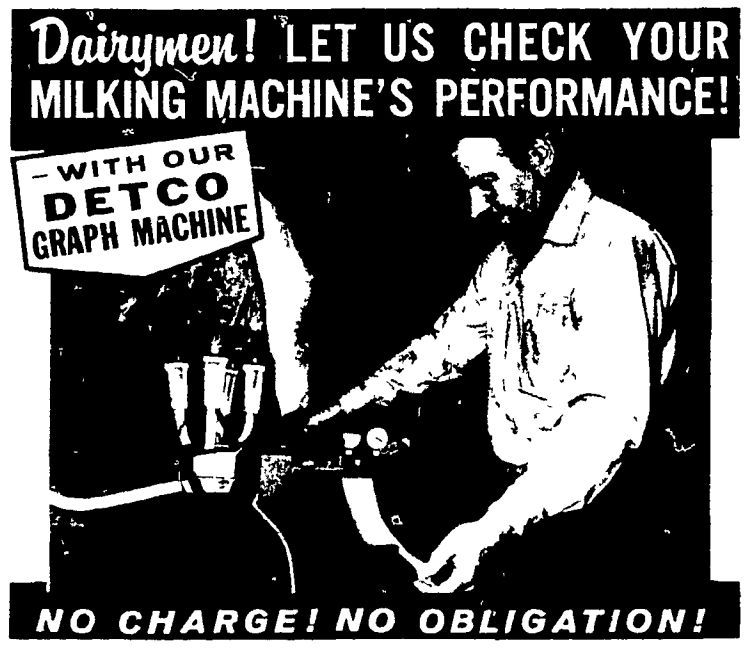

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Animal transport regulations revised

WASHINGTON, D.C. – The U.S. Department of Agriculture has revised federal animal welfare regulations to clarify provisions for shipping "acclimated" animals during cold weather and certifying acceptable shipping cages. The amended regulations also clarify rules for animal holding areas in cargo shipping terminals.

According to Pierre A. Chaloux, deputy administrator of USDA's Animal and Plant Health Inspection Service (APHIS) the changes were needed because the present regulations were causing problems for animal shippers, handlers and commercial carriers.

The amended regulations were proposed last October and are effective immediately.

Under the new regulations, U.S. government agencies, handlers, exhibitors, laboratories and institutions which are licensed or registered under the Animal Welfare Act, are authorized to use certificates, signed by veterinarians, certifying the animals being shipped are acclimated to temperatures below the permitted limit of 45 degrees Fahrenheit within the cage or container.

USDA licensees and registrants and U.S. government agencies are also authorized to use certificates signed by the shipper to assure commercial carriers that cages or shipping containers meet standards of size, strength, ventilation, sanitation and safety prescribed by the Animal Welfare Act.

Commercial carriers or intermediate handlers are no longer required to designate a single separate animal holding area within cargo terminals. This permits carriers to handle "inbound" and "outbound" animal shipments separately. However, carriers are still prohibited from co-mingling animal shipments with other cargo.

The amended rules also eliminate the terms "ambient" and "atmospheric" in reference to the temperature in animal holding areas. Temperature requirements will now be specified as "air temperature." Conditions under which air conditioning and other artificial ventilation be used are also clarified.

The Animal Welfare Act sets standards to assure that dogs, cats and some other warmblooded animals are raised, transported and maintained uner humane conditions. Commercial animal breeders, wholesale dealers, exhibitors, shippers, laboratories and other institutions or business must comply with these standards.

The text of the new rules appeared in the May 16 Federal Register.

Few folks are allergic to milk

ROSEMONT, Ill. – There is great divergence of opinion in medicine regarding allergy in general, and milk allergy in particular. While it is true that a certain percentage of the infant population may react adversely to milk proteins, actual incidence remains controversial.

Symptoms of milk allergy may include asthma, nasal congestion, vomiting, and abdominal pain. Since these symptoms also occur with other allergies and with other diseases, the condition may be improperly diagnosed as milk allergy. Some physicians cite the incidence of milk allergy as being as low as 0.1 per cent of infants, while others claim a figure as high as 30 per cent. Most agree that the true range is between two and seven per cent. Milk allergy is generally outgrown by age two.

Too often, a hasty diagnosis is made and mothers are urged by physicians to remove milk from an infant's diet. Frequently, the child never has milk replaced in the diet, and the individual may avoid dairy foods later in life. This may result in inadequate intake of nutrients in milk, notably calcium, riboflavin, and vitamins A and D.

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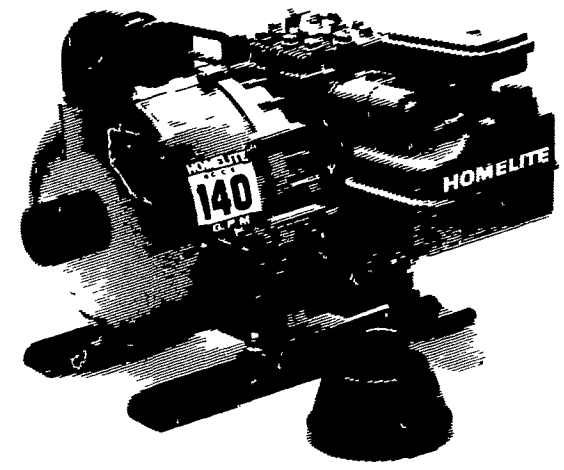

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Veteran dairy leader honored

COLLEGE PARK, Md. – For the first time in 50 years, Richard N. Wills of Ruxton, Md., was a guest of honor - rather than a working supervisor - at the annual spring livestock show for Maryland youth which he established in 1929. The event occurred on May 20.

During its first 49 years, the event was held at Baltimore county's McDonogh School and was known as the McDonogh School Fair. This year, it was held at the Howard county fairground near West Frindship on a balmy spring day and tabbed as the "Richard N. Wills Spring 4-H and FFA Fair."

To prove its popularity, nearly 300 exhibitors brought some 600 dairy beef animals to this year's show. Thus it was the largest of the 50 shows held to date.

During a noon break, a formal recognition ceremony was held for the venerable "Mr. Wills."

Those paying tribute included two departmental chairman from the University of Maryland's Collegb of Agriculture, a former McDonogh School student during Will's tenure, the vice-president of the Maryland Purebred Dairy Cattle Association, and the director of the statewide Maryland Cooperative Extension Service.

Dr. John M. Curtis, who holds the latter title, presented Wills both with a recognition plaque and a purple ribbon of the type traditionally awarded to champion animals. In this case, the grand champion ribbon was inscribed with Wills' name.

Fresh out of Penn State with a baccalaureate degree in 1928, Richard N. Wills returned to his native Maryland and began a 35-year career as a "father figure" to generations of boys at McDonogh School. He achieved national fame for the school in purebred dairy cattle circles as superintendent of its farm and dairy cattle operation.

Besides developing an outstanding dairy herd at the school, Wills established the first McDonogh School Fair in the spring of 1929. This eveolved into what is now an annual spring event for Maryland 4-H and FFA youth living west of the Chesapeake Bay.

During his tenure at McDonogh School, he was also a local Baltimore county 4-H leader and helped develop many championship dairy cattle judging teams. At least two of his students followed in his footsteps as U.S. representatives at international youth dairy cattle judging competition in England.

His portrait was hung in 1971 in the state dairymen's hall of fame, located in the library-visitors room of the Maryland Artificial Breeding Cooperative, Inc.

Well water needs quality checks

LANCASTER – Many families depend on wells for their water supply. But they pay little attention to the water unless the pump fails or the well runs dry.

Water should be tested periodically to determine its quality.

It is important to test water following any reconstruction or addition to the water supply or its distribution system. Then the system should be checked once a year for continued safety.

Water supplies should also be checked whenever a disease occurs that may have been caused by unsafe drinking water. If water changes in taste, odor, or appearance for no apparent reason, it should be tested.

There are many tests and analyses that can be used. Two of the most important would be for nitrates and coliform.

One should play it safe and take a sample, in a sterilized container, to the laboratory for analysis.

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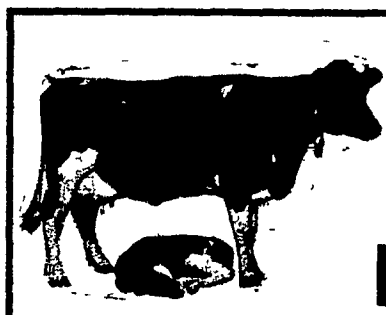

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Federal conservation plans to be heard on county level

WASHINGTON – The American public will help determine the future of soil and water conservation in nearly 3,000 public meetings this Summer, M. Rupert Cutler, assistant secretary of agriculture for conservation, research, and education, said today. Contact your local county Soil Conservation Service for time and place of meetings in your area.

Meetings to explore and discuss issues affecting resource conservation will be held in most counties from now through September under sponsorship of the nation's 2,950 soil conservation districts and the U.S. Department of Agriculture's Soil Conservation Service, Dr. Cutler said.

"This unprecedented series of public forums is being held in response to the new Soil and Water Resources Conservation Act of 1977." Dr. Cutler said. The act calls for widespread public participation in appraising America's natural resources and in developing programs to guide USDA's conservation efforts.

"We anticipate spirited discussion of such controversial issues as preservation of prime farmland, water pollution from agriculture and construction, irrigation needs, flood protection vs. flood plain zoning, cost-sharing and other incentives for applying soil conservation to private lands, and wildlife protection," the assistant secretary said.

"Our biggest hope is for new and innovative approaches to soil and water conservation," he added. "USDA's soil conservation program is 43 years old. We need fresh ideas for protecting resources that meet the needs and technology of the 1970's and 1980's."

Dr. Cutler said interested persons and organizations may get details of local meetings from soil conservation districts and local offices of USDA's Soil Conservation Service, located in most county seats.

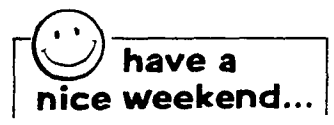
Milk has something for everyone

ROSEMONT, Ill. – In practically every dietary guide or plan one can find, individuals are advised to consume milk and other dairy foods. The United States Department of Agriculture and many authoritative medical agencies recommend three eight-ounce glasses for children, four glasses for adolescents and pregnant and lactating females, and two glasses for adults every day. These levels of consumption also can be attained by substituting other dairy foods such as cheese, yogurt, and ice cream for all or part of the daily recommendations.

Data from the USDA indicate that the 1976 dairy foods, excluding butter, contributed only 11.2 per cent of the calories available for consumption in the U.S., yet they provided 75.0 per cent of the calcium, 38.6 per cent of the riboflavin, 34.8 per cent of the phosphorus, 21.9 per cent of the protein, 21.6 per cent of the magnesium, 20.1 per cent of the vitamin B12, 13 per cent of the vitamin A value, 10.3 per cent of the vitamin B6, 8.6 per cent of the thiamin, as well as many other nutrients in lesser amounts. And, most milk is fortified with vitamin D. Only six to seven per cent of the calories in the food supply is contributed by milkfat.

The high nutrient content of dairy foods when compared to the calories they contain makes these foods an "economical" source of nutrients for the calorie- and weight-conscious consumer. And this excellent nutrient profile also makes milk and other dairy foods outstanding values.

There also is evidence for interactions between and among specific nutrients in milk that further increase its nutritive value. For example, milk is the only natural dietary source of lactose. Recent studies show that lactose enhances the uptake of calcium by interacting with the cells of the intestine to increase absorption.



COMPLETE HOLSTEIN DISPERSAL

OPEN & BRED HEIFERS

AT

SMOKETOWN QUALITY DAIRY SALES

Smoketown, Pa. (Rt. 340), 5 miles East of Lancaster, 5 miles West of Intercourse. On

THURSDAY, JUNE 29

Sale managed by

GORDON & RON FRITZ

WATCH FOR MORE DETAILS NEXT WEEK

SPECIAL HEIFER SALE

FRIDAY, JUNE 16

At 6 P.M.

G. & M. Livestock Mkt. Inc., Duncansville, PA.

Take Route 220 North of the PA trunpike.

SELLING 250 - 350 HOLSTEIN HEIFERS

Consignments from Jess Thompson, Isaac Martin, Sherm Glick, Art Kling and others.

SPECIAL MENTION: Several heifers from Excellent-Agro Acres Marcus Ned, 1 Elevation bred to Job, Sept. 20 with good recrods, 1 Astronaut bred to Elevation with top records - Show Prospect. We expect many good heifers at this sale. Also selling good Guernsey heifers ready to breed. Several good registered Holstein Bulls. 10 ampules of Elevation semen (possibly other semen).

Health Charts Interstate.

For Information, Call:

SHERM GLICK — Lewistown, PA — 717-248-0960

or

FRED McCARTNEY — Dry Run, PA — 717-349-2393

PUBLIC SALE

OF FARM MACHINERY, HOUSEHOLD GOODS, ANTIQUES & SMALL TOOLS

FRIDAY, JUNE 16

11:00 A.M.

2 Miles south east of Christiana, 2 miles south west of Atglen, coming from Christiana or Atglen take Creek Road to covered bridge, second place on right from covered bridge, west of Octoraro School, take Highland Road to Bailey crossroad, turn right one mile to sale — watch for signs.

FARM MACHINERY

AC B tractor with mower, cultivator, plow, spring tooth harrow, and disc; 2 walking plows; one row corn drill; harrow; old hand corn and bean planter; single and double trees.

HOUSEHOLD GOODS - ANTIQUES

6 Antique Plank bottom chairs; antique corner cupboard; antique sideboard; antique chest of drawers wardrobe; antique dry sink; old table; wheat cradle; 2 iron beds, one with brass knobs; high head bed; rope bed; old washer with wringer; Silvertone Victrola and Records; Buffett; child's cribs; 2 vanity dressers; davenport; 9 x 12 oval wool rug; glass butter churn; butter mold and paddle; 3 old clocks, one with weights, date 1827 by Smith & Goodwin; Toilet sets; old chairs; cherry seeder; 2 coffee grinders; oil lamps; 2 ray lamps; breakfast set; white enamel range with copper water tank; picture frames; slaw cutters; shotgun; 3 old high chairs; crocks; one 10 & 12 gallon; wash boilers, one copper; basket weave crocks; strawberry crates and boxes; tomato baskets; jars dated 1858; home made ironing board; iron kettle; rugs; iron hog troughs; corn sheller; fodder chopper; corn crackers; sad irons; grind stones; a few dishes; other small items to numerous to mention.

Sale at 11:00 A.M.

Terms By

MRS. H. A. BAILEY

Auctioneers
Leroy Zook
Leon Kurtz

Not responsible for accidents — Lunch available

THE MEYERLEA FARM

Andover Twp., Germany Flats Road, Newton, N.J.

One of New Jersey's model farming operations. Known for modern agribusiness and conservation practices, a very efficient and productive dairy farm. In order for Mr. and Mrs. George Meyer to keep their 5 sons "down on the farm", they are moving to a much larger operation in another state and, reluctantly, will sell this 134 acre farm at

PUBLIC AUCTION

SATURDAY, JUNE 24

11:00 A.M.

Main House 28 x 40 with 12 x 28 enclosed and carpeted porch, full basement, 3 zone H.W. oil heat. Modern kitchen designed for modern farm homestead. All rooms are large. Living room, dining room, panelled den, lots of closets, lavatory on first floor. 5 bedrooms and 2 full baths. Many extras.

Main Barn 35 x 128 feet modern 52 comfort stalls, pens and box stalls. 36 x 50 ell for young stock, overhead doors, 20 x 20 milk house, office and utility room. Haymow is 18 ft. Rilco-laminated rafters.

Garage and Apartment A 4 car garage with apartment on second floor. 2 bedrooms, living room, kitchen and bath. Overhead doors on garage, workshop area. There are other outbuildings on the property as well.

There are three streams on the property and two ponds. The driven well is 77' deep and has been never failing over the years.

Located on county road 623, 3 miles from Newton, 6 miles to Sparta, about 1 hour to Newark International Airport and 1¼ hours from New York City.

There will be a Farmers Conservation Day Program at the Farm on Sunday afternoon, June 18, 1: - 5: P.M. You may inspect the farm at this time or by appointment. For full terms and conditions send for brochure and further information.

FARM & HOME REALTY

Newton, N.J.
Spring Street
201-383-1963

Castner Estate Service
Branchville, N.J.
201-948-3868
Don Castner - Auctioneer
Licensed Real Estate Broker

PUBLIC SALE

OF VALUABLE REAL ESTATE HOUSEHOLD ITEMS & ANTIQUES

SATURDAY, JUNE 10

10:00 A.M.

Located five miles east of Lancaster, first drive east of Congress Inn Motel, along south side of Route 30, at 3 Doris Drive. Dorthea Park, East Lampeter twp. Lanc. Co. Penna.

REAL ESTATE

Ranch type stone and brick house with one car attached garage. Three bedrooms, living room with fireplace, eat-in kitchen, dining area, kitchen has built-in oven and table top stove.

Large full basement, sewage hook-up, 100' well, oilburning hotwater heating system, water softener, aluminum covered patio area.

Lots of flowers, shrubery and trees. New roof within last year. Large lot 95' wide 164' and 223' deep.

Inspection of property Sat. May 13, 20 and 27, from 9:00 A.M. to 5:00 P.M.

HOUSEHOLD GOODS AND ANTIQUES

Dropleaf round oak extension table with five extra wide boards; set of six plank bottom chairs with matching rocker; set of four plank bottom chairs with matching rocker; set of six solid bottom kitchen chairs.

Six-leg drop leaf table with drawer; library table; Hi-chair; childs rocker; Upright player piano (needs work) with bench and 100 rolls; White treadle sewing machine; sewing cabinet; flower stands.

New Haven mantel chime clock; beveled mirrors; Old china plates and dishes; some carnival glass; several cut glass pieces; colored glassware; Lustre pitcher; some blown glass items; Ironstone china pieces; vases; individual salts; goblets; Smith-Taylor 70 pc. set of dinner ware; small iron kettle, bench; old coins; games; toys;

Three piece bedroom suite; Dayton hyde-a-bed sofa; two sofas with matching chairs; recliner chair; upholstered rocker; three Windsor type chairs; floor and table lamps; end tables; night stands; metal utility cabinet; two 9' x 9' blue rugs; 9' x 12' gray rug; throw rugs; two radios; electric massager and blanket; electric heater and fan;

Quilts; spreads and linens; ironing boards; baskets;

G-E automatic washer; G-E refrigerator; G-E chest freezer; Kirby electric sweeper with attachments;

Formica top kitchen table with four chairs; blender; roaster; two sets of stainless silverware for twelve; jars; pots and pans;

1968 Chev. Impala, auto, P.S., and Radio. Cadet "60" riding lawn mower; Jacobsen rotary mower; Lawn sweeper; electric trimmers; pipe frame for patio cover; step ladder; lawn chairs; rakes; shovels; hand tools; shuffle board equipment; etc.

Sale at 10:00 A.M.
Real Estate 2:00 P.M.

Owners

I. ROHRER & LIZZIE G. MECK

May and May Attys
49 N. Duke St. Lanc. Pa.
A. Diffenbach's Auctioneers

York County DHIA

(Continued from Page 138)

Kenneth L. Rexroth						
68	2	3-5	305	15,423	3.8	591
55A	3	3-1	305	17,710	3.8	671
118	3	5	305	20,714	2.8	586
119	3	3-4	305	15,936	3.5	551
Rick L. Cook						
Minnie	3	7-11	305	17,404	3.6	631
Apollo	3	6-9	305	16,799	3.2	538
Fern	3	4-9	305	16,389	4.0	651
J. Donnell Taylor						
Trudy	3	4-2	305	16,200	3.2	516
Dolly	3	2-11	305	17,273	3.1	537
Arlene	3	2-11	305	17,205	3.9	505
Mat	3	2-8	305	17,313	3.7	637
Carrie	3	2	305	15,638	3.2	508
Emma	3	2	305	13,196	4.0	532
Doris	3	1-11	305	13,500	4.0	538
Bupplynn Farms Farm 2						
60	3	4-11	305	17,751	3.7	650
Elvin G. Molison						
12	3	6-1	305	13,540	3.8	511
76	3	4-7	286	12,844	4.1	529
64	3	2-3	305	16,237	3.6	585
43	3	2-1	305	14,626	3.7	535
71	3	2-3	305	15,054	4.0	604
John D. Adams						
4	3	4-7	305	12,730	4.4	557
123	3		305	13,774	4.0	547
50	3		305	14,714	3.9	574
14	3		305	14,804	3.8	556
28	3	4-11	305	13,874	3.8	532
Claude M. Cooper						
86	3	7	283	17,074	3.7	635
123	3	4-11	305	16,532	3.9	645
33	3	4-10	305	16,485	3.4	562
Honeycrest Fm.						
Brokie	2	4-2	289	11,975	4.3	516
Fanny	2	4-2	296	12,281	4.3	525
Kim	2	7-9	305	11,914	4.4	525
Pixie	2	9-8	303	13,704	4.1	567
Bell	2	7-2	301	13,316	4.2	565
Emerald	2	5-11	305	16,221	3.4	554
Remeral	2	2-10	305	15,771	4.1	643
Althena	2	2-6	305	11,338	4.9	555
Mervin W. Hertzler						
Dolores	2	5-2	301	11,648	5.0	583
Haze	2	6-7	305	14,464	4.9	710
Polly	2	4-8	305	13,500	5.0	678
Sandy	2	6-3	305	10,591	4.7	503
Molly	9	3	305	11,034	4.8	535
Clare	2	3-1	305	12,633	4.6	577
Emma	2	3	305	13,421	4.4	591
Leonard W. Greek						
Aaggie	3	4-8	305	17,622	3.3	579
Gary W. Thoman						
30	3	4-5	305	21,913	3.1	678
Mc Ral Dairy Farm						
Wanda	3	6-9	305	13,836	3.8	527
55	3	6-10	305	21,289	3.1	653
62	3	5-11	305	18,352	4.3	780
202	3	5-6	305	16,539	3.7	607
207	3	4-9	305	15,798	4.5	716
343	3	3-11	237	12,136	4.7	574
Galawn Farms						
Goldie	3	7-7	305	20,286	3.8	774
Daisy	3	2-6	305	20,257	3.8	763
Gail	3	2-3	305	18,190	4.0	732
Marie	3	2-7	305	18,536	3.6	676

PUBLIC SALE

NISSLEY'S FARM SERVICE

CLOSING OUT FARM EQUIP., NEW & USED PARTS

MONDAY AND TUESDAY EVENING, JUNE 12 & 13, 1978

5:30 P.M.

Located along Charlestown Rd., Washington Boro, Pa. Follow Prospect Rd. from Rt. 30 or Rt. 999 to Charlestown Rd.

LARGE SELECTION OF A.C. & MISC. NEW & USED PARTS

WC tractor w/fork lift, 2 Case offset discs; 7' cultimulcher, new Woods rotary mower for AC, B or C; JD lime spreader, 3-B MF tripback plow, 3-sec. 3 pt. harrow, new 3 pt. blade, 200 gal. fiberglass sprayer tank, MF 300 combine w/12' grain head, new AC roto tiller, IH snow blower, Lawnboy mower & blade, Snow blower, Stiles rivet machine, 3 Century space heaters, 1 hp. air compressor w/twin cylinders, battery charger, 4 chain saws (2 new), Marquette elec. welder, lg. generator w/motor, new 24" tractor chains, ¼" barn cleaner cable, mower blades, wh. weights, lots of tires & rims, discs & chisel plow parts, hydro pumps, power shafts, sprayer hoses, roll bar, A-frame, sev. 50 gal. drums of MF oil, Amerex fire extinguisher, bag cart, LOTS & LOTS OF AC PARTS, MISC. PARTS. Plow bottoms, corn planters & forage wagon pts., V-belts, bolts, bins, & shelves, desk, filing cab., Bell & Howell tape & slide viewer, A.C. Micro Pitch Viewer, Visi record card tray w/dividers & cards, Lathern time clock w/cards & rack, cash register, Equip. catalogues, MF & AC service manuals, toys, check writer, etc.

Only a partial listing to say the least. Sale held indoors.

PLEASE NOTE - SALE ORDER: Monday evening small parts at 5:30 P.M. Tuesday small parts at 5:30, Farm Equip., Bins, Shelving & Office Equip. at 7:00 P M.

TERMS: CASH OR CERTIFIED CHECK.

SALE BY ORDER OF SECURED PARTY

C. H. WOLGEMUTH & H. SHAFFNER (Aucts.)
Ph: 665-5664

LUNCH AVAILABLE

PUBLIC SALE

OF FARM

Public Sale of Valuable Real Estate in the Estate of Dale J. Myers

SATURDAY, JUNE 17

1:30 P.M.

On the premises. Located in Cumberland County, Pa. 4 miles west of Carlisle along Route 465 (Walnut Bottom) road and Burnt House Road Legislative Route 21034. 15 miles north of Shippensburg. From I 81 Plainfield Exit No. 12 go south 2 miles to sale.

Real Estate consists of a farm of 120 Acres, more or less, of high productive limestone land, approximately 115 acres tilable, 4 acres woodland. Erected thereon a 7 room frame house, bank barn with 24 stanchions, stable cleaners, good well, 12 x 45 silo. Approximately 1,821 feet of road frontage on west side of Route 465 and 1,425 feet on the east side. 1,221 feet west on Burnthouse Road Route 21034 and 376 feet east on Burnthouse Road.

This farm is ideal for either farming or residential development.

Terms 10% down, cash, certified check or equivalent, balance upon settlement on or before August 1, 1978.

Executors reserve the right to reject any or all bids. Other terms and conditions will be read at time of sale.

Inspection May 27 and June 2 from 1:00 to 5:00 p.m. or appointment by calling 717-243-6293.

AMY MOUNTZ & LUTHER MOUNTZ, JR.
Executors
George B. Stuart, Attorney
Arthur Rife, Auct. 776-3645

BROOKS END AND PAR-KAY FARM

FORTY SEVENTH SALE

1978 SUMMER OFFERING

FRIDAY, JULY 7, 1978

1:00 P.M.

At the Farm • Beavertown, Pa.

245 head of IRISH and other foreign bloodlines on this sale.

YORKSHIRE - LANDRACE

Born and raised on our farms from our parent imported stock.

80 ★ Bred gilts - all carry Irish or Foreign Blood Litters.

40 YORKSHIRE - 50 - 100% Irish.

40 LANDRACE - All carry Irish or Foreign Blood Litters.

50 ★ BOARS

30 YORKSHIRE - American Bloodlines as well as Irish.

20 LANDRACE - all 100% IRISH or other foreign blood.

15 ★ LANDRACE - Open gilts all 100% Irish or other foreign blood.

★ 100 Commercial Open Gilts - Mostly Irish blood.

Scan-O-Probe Loin Eye & Black fat figures. Production tested - Certified Meat Proven & Show Ring Champion Stock. Certified brucelosis free & pseudorabies negative test. Health charts sale day for entry into any state.

Owners:

Reno & Park Thomas & Mark Stehr

IRISH BOARS and GILTS of this great Dam will sell Greenback 3044 one of our foundation Irish Yorkshire sows

RENO
Phone 717-658-5821
717-658-7304
PARK
Phone 717-658-6544
717-658-6702
MARK
Phone 717-658-7007
Catalogs available
Mark Pickel, Wingate, Ind. Auctioneer

CONSIGNMENT SALE

WEDNESDAY, JUNE 7, 1978

At 9:30 A.M.

Location: ½ mile North of Route 23 on North Maple Ave. in Leola, Lancaster Co., Pa. Watch for sale signs.

Tractors, Farm Machinery, Horse Drawn Implements, New Tools & Hardware. Positively No Household Goods. Large Stock Building Material — 75 Window Units, Bay Window & Show Window, 50 Doors, Finland Birch Plywood, 1000 2x4's, all lengths. 3x6 16's, 4x6 16's, large lot of pine boards, approximately 70 trusses up to 50' long.

Sale By:

DAVID H. GOOD

717-656-8911

We Sell on Commission.

Hay & Straw Sale Every Wednesday At 12:00 Noon by Harvey Z. Martin.

Auctioneers: F. Snyder, R. Martin, C. Wolgemuth, J. Fry, L. Horst

NOT RESPONSIBLE FOR ACCIDENTS.

Next Sale — Wed., June 21, 1978

PUBLIC SALE

OF 89 ACRE FARM & PERSONAL PROPERTY

SATURDAY, JUNE 24

At 9:30 A.M.

Located between Morgantown & Reading. Follow Rt. 10 to Rt. 568 Go West approx. 1 mile to sale. Robeson Twp., Berks Co. Pa.

REAL ESTATE AT 11 A.M.

Land: Approx. 89 Acres, Tillable 75 acres Woodland 7 acres Meadowland 8 acres (All Approx.)

Terrain: Level to mostly gentle slope.

Frontage: Total Frontage on macadam road approx. 5000' with R-2 Zoning, very nice stream flowing thru property.

House: 2½ story stone with stucco. Divided into 2 parts. Part 1: 1st floor - 2 rooms w/fireplace, 2nd floor 2 bedrooms & bath. Part 2: 1st floor - 2 rooms w/fireplace, 2nd floor one bedroom. Asphalt roof, oil fired heat, full basement, lot of old shade trees.

Water Supply: Spring & Pressure System.

Bank Barn: 45x70 frame with asbestos roof, also 45x18 addition both very good.

Out Buildings: Spring House, milk house, chicken house, tool shed and implement storage.

Inspection: Anytime by appointment Call: 215-286-5183.

Terms: 10% dn. day of sale - 90 day settlement. Twin Valley School District.

FARM EQUIPMENT

7 Tractors; Int. 450 Troque Amp., Int. 460 snow plow, Int. 200 w/front end loader, Farmall A w/cultivator, Oliver 70, 2 Oliver 60 tractors, one w/cultivator, riding tractor w/garden cultivator, 1950 Ford 4 dr. sedan - 72,000 miles, 1952 Ford pickup w/racks, F-250 1951 Ford Panel Truck, one row NI corn husker used very little, Int. hayhine No. 990. NH crop chopper No. 33, NH baler No. 268, 2 pt. Int. 7' mower, JD No. 640 side rake, JD Hay tedder, McC 3 bottom plow No. 311, 2 bottom trailer plow, JD disc harrow on carrier, 12' cultipacker, Snowco PTO grain box No. 800, 13 disc grain drill on steel, McC 2 row corn planter, 2 aluminum 15' portable grain elevators, old NH grinder, bale elevator, Grube wagon box on steel PTO 2 wheel dump box. 4 rubber tire flat wagons, several farm trailers, spring tooth harrow, 12' weeder, dump rake, AC 5' combine, air cooled irrigation pump with lot of 4" pipe, hoka plow, shovel harrows, grinders, 2 hole corn sheller, floor jacks, step ladder, ext. ladder, very good NI manure spreader, platform scale, 11 iron troughs, all sizes baskets, ½, 5/8, and 1 Bu.

HOUSEHOLD GOODS

Prizer kitchen range, Hotpoint electric stove, oak sideboard, oak round table, clothes tree, White sewing machine, 21" RCA TV, 3 pc. bedroom suite including washstand, 4 pc. bedroom suite, empire bureau, 3 blanket chests, cane seated chairs, towel rack, 2 rope beds, Whirlpool Chest type freezer, 2 iron butcher kettles, old wooden butter churn, old seed planter, old high chair, 15 - 1 gal. crocks, several plank bottom chairs, treadle sewing machine, dropleaf table, odds & ends of chairs, several jugs, old wooden water pumps, picture frames, floor lamps, table lamps, also many other pieces not mentioned.

SALE at 9:30 A.M. REAL ESTATE at 11 A.M.

Terms By

JAMES MUSSER ESTATE
Bank of Pennsylvania & James Lockhart co-executors
Paul H. Edelman Esq.

Elton & Alvin Horning Auctioneers
HORNING FARM AGENCY, INC.
Main St.
Morgantown, Pa.
215-286-5183

Lancaster County DHIA

(Continued from Page 160)

Ephraim S. Stoltzfus R&GrH	55	19.2	91.1	51.2	3.8	1.96
Raymond M. Martin	16	42.0	90.2	46.9	4.2	1.96
Sunny Crest Farm RH	35	30.7	87.6	50.0	3.9	1.94
J. Wilmer Eby R&GrH	28	76.6	84.1	49.6	3.9	1.94
Jonas O. Sensenig GrH	28	36.9	88.8	48.8	4.0	1.94
Donald M. Eckman R&GrH	32	43.4	94.5	58.3	3.3	1.94
Tom & John Harnish R&GrH	26	71.1	96.6	49.5	3.9	1.94
Wilmer G. Kraybill R&GrH	32	52.9	98.5	48.2	4.0	1.93
Dan S. Stoltzfus R&GrH	33	47.6	84.0	50.8	3.8	1.93
Rufus G. Martin RH	33	27.0	78.2	52.7	3.7	1.93
Omar S. Kauffman R&GrH	32	35.0	91.1	54.1	3.6	1.93
Robert E. Kulp Mix	21	66.1	95.0	48.8	3.9	1.92
Jacob S. Dienner Mix	50	44.6	85.3	52.0	3.7	1.92
Aaron K. Stoltzfus R&GrH	32	31.3	90.4	48.2	4.0	1.91
Andrew G. Miller R&GrH	28	35.0	86.7	54.7	3.5	1.91
H. Landis Weaver RH	29	52.3	94.9	49.2	3.9	1.91
Alvin M. Martin R&GrH	34	46.4	85.6	47.3	4.0	1.91
Weaver & Burkholder R&GrH	33	44.8	93.5	53.9	3.5	1.91
John Omar Stoltzfus R&GrH	31	44.1	87.5	46.9	4.1	1.91
David D. Zimmerman R&GrH	58	51.4	94.3	42.9	4.4	1.90
Harold G. Shelly R&GrH	30	31.9	94.2	50.0	3.8	1.90
Russel L. Kline Mix	30	34.0	80.6	52.4	3.6	1.90
John David Martin Mix	33	37.1	81.6	51.6	3.7	1.90
Titus B. Stoner R&GrH	32	39.5	92.3	46.8	4.0	1.89
John S. Zimmerman R&GrH	29	47.7	89.5	46.2	4.1	1.89
Graywood Farms Mix	34	261.4	97.2	47.0	4.0	1.89
C. Kenneth Young R&GrH	38	55.1	93.2	50.8	3.7	1.89
Raymond & Louise Witmer R&GrG	35	66.5	92.3	37.8	5.0	1.88
Melvin L. Beiler R&GrH	25	45.0	90.8	47.4	4.0	1.88
Edgefield Farms R&GrH	30	96.0	91.3	49.2	3.8	1.88
Aaron E. Beiler RH	30	22.2	95.2	45.1	4.2	1.88

Big cows aren't best producers

UNIVERSITY PARK – Dairy cows that win prizes in the show ring don't have a place in the milking herd today, especially if the dairyman is trying to maximize his production profits, a Maryland dairy operator pointed out at the Spring Dairy Herd Management Conference held on The Pennsylvania State University Campus earlier this year.

Jack King, owner of King-Lee Dairy, Church Hill, Md., one of four speakers who focused attention on dairy breeding and production, noted that 1400 to 1600 - pound Holsteins are winning premiums for milk production. The 2,000 - pound cow is still needed to keep genetic size in cow families; however, the larger cows are not high producers.

"It takes a balanced program of management and genetic advancement to make a profit in the dairy business," said King. "Milk production has top priority in running a successful operation."

Type transmittal is the next important aspect in the breeding program but the hardest to improve upon, he emphasized. It's easy to find a bull that has the genetic ability to improve his offspring's milk production. But, in most cases, he doesn't have the genetic make-up to transmit desired dairy type.

"Don't breed all cows in the herd to one bull," King pointed out. "Select bulls by genetic traits but not necessarily from just one AI stud. Use popular blood lines if you plan on selling cows in your herd."

PUBLIC SALE

OF REAL ESTATE
FRIDAY EVE., JUNE 16
At 7:00 P.M.

Located 15 miles South of Lancaster off Rt. 222 along Camargo Rd. North of Quarryville ¼ mile West of Rohrer's Mill in Eden Twp. Lanc. Co. Pa.

INSPECTION OF PROPERTY June 3 and 10th 2 to 4 P.M.

THE HOUSE

A 2½ story house with imitation brick siding situated on this ideal corner lot consisting of approx. 2 acres of land. Nice lawn, shrubbery & trees. Fireplace in yard. New kitchen w/built in cupboards, dishwasher & new range, walnut paneling. Laundry room w/hook up. Dining room, living room w/elec. fireplace; ½ bath. Second floor has 3 bedrooms, closets & bath. Wall to wall carpet & paneling tthroughout the home. Elec. heat, new hot water heater, good well, storm windows & doors. Full attic & basement. New concrete porch, asphalt shingles.

GARAGE & WORK SHOP

A 2 car garage with a nice work shop w/ new roofing.

COTTAGE

Included on the premises a cottage containing a kitchenette, living room, bedroom w/ toilet facilities.

TERMS 10% down day of sale balance within 30 days or before.

Auctioneers Note – Ideal location in the country.

Sale by
JACK & RUTH STEELE
Auctioneers - Lloyd H. Kreider
786-3394
Randal V. Kline

PUBLIC SALE

OF REAL ESTATE
VERY NICE 17.31 ACRE FARM & SEP. 4.99 ACRE MEADOW W/STREAM
FARM EQUIPMENT, TOOLS, GUNS, ANTIQUES, & HOUSEHOLD GOODS
SATURDAY, JUNE 10
At 9:00 A.M.

Located along White Oak Road, RD#1, Strasburg, Strasburg Twp., Lanc. Co., Pa. (1/8 mile East of Rt. 222 or East of Exxon Service Station, New Providence).

Real Estate Lot #1: Very nice house newly remodeled, 2½ story 7 room & 1½ bath frame house w/asbestos siding. Frame bank barn w/cement block fore bay. Sep. 1 story frame utility shed. House, barn, yard w/trees & shrubs, fish pond & fenced meadow w/old lime kiln. Total of 3.430 acres of land. Lot #2: Total of 13.888 acres of tillable farm ground & fenced meadow w/stream. Real Estate to be sold as one lot or individually. (lots #1 & #2) Lot #4: (to be sold separately) Total of 4.99 acres of fenced meadow w/stream. All property open for inspection: Sat's. May 20 - 27 - June 3 from 1 till 3. Real Estate to be sold at 2:00. Philco chest freezer, port. Magnavox TV, Magnus elec. cord organ, Lots of furniture in: walnut, cottage, pine, maple, mahg., oak, wicker, iron, uph., metal & other furniture. Agate, tole ware, tin, wooden, brass, copper & iron articles. Glassware & china in: bennington, coin spot, green, satin, opalescent, Noritake, Japan, blue, mahc. etched, German, depression, pressed, milk glass, & other glassware & china. Household articles. Guns, lots of old car, truck & tractor repairs & parts manuals. Frost King Jr. gasoline engine, B. Allis Chalmers tractor w/mower & other farm equipment. Lots of barn articles. Lots of hand, power, barn, garden & other tools. Large Sale with Two Auctioneers Selling.

Not responsible for accidents day of sale.

Sale by
MR. & MRS. ELAM A. LEAMAN
W. Reese Atty.
Howard Shaub Auctioneer 464-3541
and Roy C. Probst 464-3190

Food Served.

PUBLIC SALE

55 ACRE FARM, PERSONAL PROPERTY & 100 BROOD SOWS
TUESDAY, JUNE 6
At 10 A.M.

Located in London Grove Twp., Chester Co., Pa. Follow old Rt. 1 and Rt. 41 south to first light in Avondale. Turn right to first fork in road, stay left which is Avondale - New London Rd. Go approx. 1½ miles to first road on left which is Clay Creek Rd. Turn left and follow sale arrows to farm.

FARM ESTATE

Land: 55.88 Acres, approx. 35 acres good tillable, farming soil, 12 acres woodland, remainder in pastureland with White Clay Creek, flowing thru property on east side. Terrain level to sloping.

House: 2½ story brick colonial & part frame. 4 rooms on first floor including kitchen, second floor - 5 bedrooms and one bath, partial basement with root cellar, asphalt roof. Avon Grove School District.

Water Supply: 2 wells & pressure system.

Farrowing House and Nursery: Frame with tin roof 72'x37'. Farrowing side.20'x72' partially slated, liquid manure pit, 28 crates, Nursery side 17'x72' with 9 pens. Capacity 360 feeder pigs up to 50 lbs. Also partially slated with manure pit, entire building insulated walls 6" ceiling 12'. All automatic temp. controlled also 14 ton divided feed bin.

Gestation Bldg: 20'x70' open to south, 10'x48' concrete feed pad

Boar Bldg: 8'x14'.

Inspection: Anytime by appointment. Terms 10% down day of sale, 60 day settlement. For inspection call: Horning Farm Agency, Inc. 215-286-5183.

BROOD SOWS

Approx. 100 - 1½ to 2 yrs old, Yorkshire & Hampshire Cross. Entire herd has been purchased as an S.P.F. herd, is innoculated against all diseases, and is in good condition. Also 5 purebred Duroc Boars approximately 2 years old.

PERSONAL PROPERTY

Massey Harris No. 30 with blade and manure bucket, Oliver ground driven manure spreader, 2 rubber tire wheel barrows, Central tractor high pressure washer, self propelled lawn mower, 2 doz. piglet waterers, step ladder, Atlanta wood stove takes 27" logs, 4 burner Hardwick gas stove, refrigerator, very nice hutch, Bentwood loveseat, oval cherry table with 4 chairs, 2 ladder back chairs, 5' secretary desk, several old stone china platters, several other odds & ends of dishes, beveled wall mirror, 2 wicker rockers, wall pictures, good LaFayette stereo - 10 speakers, several floor lamps, knee hole desk, pewter hanging lamp, Waterford crystal chandelier, Kelvinator heavy-duty washer, Whirlpool dryer, fireplace grates with end irons, approx. 24 heat lamps & 3 speed bicycle.

Sale order Personal Property 10 A.M. Real Estate 11 A.M.

Terms by
MAE BARROW
Attorney George Brutcher, Jr.
Horning Farm Agency, Inc.
Elton & Alvin Horning Auctioneers
Main Street
Morgantown, Pa.
215-286-5183

PUBLIC AUCTION

ANTIQUES—HORSE DRAWN MACHINERY—TOOLS—GLASSWARE
1936 2 DOOR CHEVROLET
QUILTS - Tulips, Butterfly, Animals, other patterns
SATURDAY, JUNE 10
9:00 A.M.

Located in Washington Twp., Berks County, Pa. on Bally follow N. Church St. to Sycamore Road, turn left ¼ mile to Sale. Watch for Sale Signs.

ANTIQUES: 2 pc. Cherry corner cupboard with glass door - 42" wide 7' high, 2 Cherry chest of drawers, 4 pc. Oak bedroom suite, 1932 Edison Victrola w/29 records, Oak roll top desk, 2 Oak chests of drawers, Gloritone table model radio, library table (claw feet), blanket chest, square Oak tables, 6 Oak T back chairs, trunks, love seat, Oak sq. extension table, high pressed back rocker, other rockers, 2 high pressed back chairs, odd chairs, desk, clothes trees, calendar wall clock, Oak bed, rugs, Oak wash stand, wall mirror, iron double bed, lawn chairs, Oak commode, small library table, double wood bed, jar cupboard, floor lamps, picture frames, night stand, stoneware crocks, Oak bureaus, oval stand, woodbox, lanterns, platform scale, metal beds, iron toys, badges, fishing license, linens, doilies, patchwork, 2 Prizer Royal cook stoves, Penn cabinet cook stove, canning jars, 3 wash machines, Frigidaire refrig. Penn Oak parlor stove, copper wash boilers, Penn bucket a day stove, coal buckets, flower pots, oil stove, 2 Electrolux sweepers, kitchen utensils,

GLASSWARE- PRESSED, IRONSTONE, DEPRESSION AND CUT GLASS

HORSE DRAWN MACHINERY: Grain drill, 5 hand cultivators, 1 row corn planter, hay tedder, 1 row marker, grain cradle, 1 horse plow, 2 section spring tooth harrow, mowing machine, hoko plow, riding cultivator, iron hog troughs, 1 horse wagon with body and hay rack, corn sheller, single and double trees, ensilage pipes, milk cans, scythe, horse collars, harnesses, bridles, berry crates, feed bags, grindstone, shovels, 18 and 40 ft. ext. ladder, 3 hand mowers, oil drums.

LOTS OF HAND TOOLS.

Many other items too numerous to mention.
Tools- Horse Drawn Machinery to be sold first.
Furniture- 12 noon. Car- 1:00 p.m.
P.S. Accumulation of 63 years. Lunch Available.

Conditions by:
MARVIN K. STAUFFER
NELSON C. WEIDENBAUGH, Auctioneer
540 N. Lewis Rd., Royersford, Pa. 19468
Phone: 215-948-7619

Public Sales Register

JUNE

SAT. JUNE 3 - 10 A.M. New Holland Sales Stables Fifth Annual Registered Heifer Sale at New Holland Sales Stables, Inc., New Holland, Pa.

SAT. JUNE 3 - 1 P.M Public Sale of 33 Acre Country Estate. Located on the premises at Rt. 1, Grantville, East Hanover Twp., Lebanon Co approx 1 mile East of Penn National Racetrack. Take Rt 22 West of Rt 934 past Cassel's truckstop and turn right onto Bullfrog Rd and continue North and turn left onto Webster School and continue West to second farm on right Conditions by Larry & Bonnie Brajkovick. Harry H. Bachman, Auctioneer.

SAT. JUNE 3 - 7 P.M Merchandise Sale at the Danville Livestock Market Selling new brand name merchandise

SAT. JUNE 3 - 2 P.M. Pa. 2nd Performance Tested Ram Sale. At the Pa. Meat Animal Evaluation Center, University Park, Pa. 16802. Sponsored by the Pa. Department of Agriculture in cooperation with the Pa State University and the Pa. Sheep and Wool Growers Assoc.

SAT. JUNE 3 - 10 A.M Public Sale of Real Estate, Farm Machinery, Jeep, Boats, Tools, Antiques and Collectibles, and Household Goods Located approx 1 mile West of Elizabethville along Rt. 209, Dauphin Co, turn South on dirt road toward mountain Watch for public sale signs along Rt. 209. Owner Homer Longabach. Deibler, Chubb and Deibler, Auctioneers.

SAT. JUNE 3 - 10 A M. Public Sale of Real Estate, Antiques and Household Articles of the Jacob S. Winemiller Estate Located approx 5 miles Southwest of Fawn Grove, PA off Md. Rt. 136 at the corner of Amoss Mill Rd and Jolly Acres Rd. in the 4th District of Harford Co., MD. R. Austin Winemiller Executor, Robert Sechrist Auctioneer.

SAT. JUNE 3 - 11 A.M. Amy Daub Public Auction Located approx. 1½ miles North of Fredericksburg, Pa., Lebanon Co. Follow Main St in Fredericksburg to Mechanic St., turn North on Mechanic St & follow approx. 1 mile to Mountain Dr., go East on Mountain Dr. to first lane on right. Watch for sale signs Sale of Farm Machinery, Antique Car, Tools, Household Goods Auctioneer Roger Myers Terms by Amy Daub

SAT. JUNE 3 - 9 30 A M Public Auction of Trucks, Garage Equipment, Custom Van, Car, Backhoes, Farm Equipment Located 8 miles North of Berwick, Pa along US Rt 11 just ½ mile North of I-80 (Exit 36) Sale ordered by Breisch's Service Station. Conducted by Ralph W Zettlemoyer Auction Co , 215-285-4616

SAT JUNE 3 - 10 A M Community Sale, benefit Faith E.C Church bus fund Quilts and other hand made items, donations and items on commission Food will be available Auctioneers Frank Steller and Bob Martin. Sale at 260 Newport Road (Monterey), Leola For pick up call 656-6237, 656-9462, 768-3723 or 397-9670.

SAT. JUNE 3 - 10 A.M. Public Sale of Antiques and Modern Items. Located at Potties Auction Barn, midway between Carlisle and Shippensburg, Pa on US 11. C. Buruss, Auctioneer.

SAT JUNE 3 - 9 30 A M. Public Sale of Real Estate, Tools, Some Farm Equipment and Household Items. Located 3 miles Northwest of Newville on Hunter's Rd. Watch for sale signs Richard and Judith Lindsey, Owners, Box 171, RD 4, Newville, Pa Harry and Speer, Auctioneers

SAT JUNE 3 - 10 A M Public Auction of Valuable Antiques and Personal Property Located at 702 W First Ave, Parkesburg, Pa Sale by Alvin H Boice Auctioneers Ira Stoltzfus & Son, Jay Leary

SAT JUNE 3 - 9 30 A M Public Sale of Farm Machinery, Household Goods, Cars and Cattle Located on the premises at Rt 1 Grantville East Hanover Twp, Lebanon Co Approx 1 mile East of Penn National Race Track Take Rt 22 West of 934 past Cassel's Truck Stop and turn right onto Bullfrog Rd. and continue North and turn left onto Webster School Rd. and continue West to 2nd farm on right. Conditions by Larry & Bonnie Brajkovich Harry H. Bachman, Auctioneer.

SAT. JUNE 3 - 9 A M. Public Sale of Bertha M Herr Estate, Fine Antiques, Household Goods & Quilts. Located at Herr's Nursery along Stehman Rd., RD 6, Lancaster, Conestoga Twp., Lancaster Co., Pa about 2 miles South of Millersville. Auctioneers Howard Shaub & Roy C. Probst.

SAT. JUNE 3 - 12 Noon. Investors Opportunity Charolais Sale. Carlisle Livestock Market, Carlisle, Pa., off Exit 12 East of Carlisle Selling 65 head.

SAT. JUNE 3 - 10 A M Public Sale of Antique Car, Classic Cars, Truck, Household Goods, and 23 Room House. Located at the corner of Md. Rt 165, Baldwin Mill Rd., and Md Rt. 23 next to St. Clair Motors, Jarrettsville, Harford Co., Md. Owner St Clair Brothers. William H Amoss, Auctioneer.

SAT JUNE 3 - 9 A.M. Public Sale of Antiques, Household Goods, Butcher Equipment and Truck. Located at RD #2, Annville in E. Hanover Twp , 1 mile East of Indiantown Gap, midway between Harpers & Ono Diner, ½ mile North of Allentown Blvd (known as Rt. 22) Take either Reeds Creek Rd or Sealer Creek Rd. North off Allentown Blvd. to sale site. Estate of Edna G Boyer. Long & Gerberich, Auctioneers.

SAT. JUNE 3 - Machinery Consignment Auction. To be held at Howard Visscher's Farm, 1 mile South of Nichols, NY, Nichols exit off Rt 17, 30 miles West of Binghamton. Howard Visscher and Ed Goodrich Jr , Auctioneers

SAT JUNE 3 - 10 A M. Auction of Antiques, Household Goods, Appliances, etc. Located at Tayloria, Pa 3 miles North of Nottingham, Pa Take Hopewell Rd. North from Oxford to Forge Rd and turn right Watch for signs Estate of Lizzie Greer Harold S Hill and Son, Auctioneers

SAT JUNE 3 - 9 30 A M Public Auction of Farm Machinery and Industrial Equipment for Mr. & Mrs Joseph Homa, Phillipsburg, NJ. Located just off Rt 519 at Springtown, NJ, Phillipsburg, NJ RD Auction arrows posted Mr & Mrs Joseph Homa, Owners Arthur Hanna, Auctioneer.

TUES JUNE 6 - Farmersville Auction In Farmersville, 3 mi. East of Brownstown, Lanc. Co , Pa. John J Rutt, Auctioneer.

WED. JUNE 7 - 9.30 A.M. Consignment Sale of Tractors, Farm Machinery, Horse Drawn Implements, New Tools and Hardware by David H. Good, located ½ mile North of Route 23 on North Maple Ave in Leola, Lancaster Co, Pa. Watch for sale signs. F. Snyder, R Martin, C Wolgemuth, J. Fry, and L. Horst, Auctioneers.

WED. JUNE 7 - 12 30 P.M. Chester Co Herd Dispersal Held at New Holland Sales Stables, New Holland, Pa. Consigned by Glenn D & David L Fite

THURS JUNE 8 - 5 30 P.M. Auction of Equipment, Lumber and Tools Located on Gearhart St , Millersburg, Pa. to the rear of Alvord Polk Tool Co (From Rt 147, turn West toward river at the American Legion Building and cross the railroad tracks) M E Wilt and Sons, Owners George Deibert Auctioneer

THURS. JUNE 8 - 5:30 P.M. Public Auction of Equipment, Lumber & Tools Located on Gearhart St., Millersburg, Pa , to the rear of Alvord Polk Tool Company (from Rt. 147, turn West toward river at the American Legion Building and cross the railroad tracks) Owners M E. Wilt & Sons Auctioneer George Deibert

THURS. EVE. JUNE 8 - 6:30 P.M Short Notice Public Sale of Household Goods and Antiques for Fred Rissel at the intersection of Rt. 10 and 340 at Sam Rhiel's place at Compass. Conditions of sale by Sam Rhiel and Fred Rissel. Sale Conducted by Leroy Zook and Leon Kurtz, Auctioneers.

THURS. JUNE 8 - 5:30 P.M. Public Auction at the Hat & Gavel Auction Co , located one mile North of Lititz along Rt. 501. Auctioneer Wilbur H. Hosler.

FRI. JUNE 9 - 5:30 P M. Gap Auction Located off Rt. 41, Lancaster Ave. opposite Turkey Hill Minit Market, cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

FRI. & SAT. JUNE 9 & 10 - 10 A M. Large 2 Day Closing Out Sale of Hess Sales & Service Located in Waynesboro, Pa., turn West onto King Street off Rt 316. If traveling on Rt. 16, turn North onto Rt. 316, 2 blocks to King Street, leave Rt. 81 at exit 3, Greencastle or exit 5 Chambersburg. Selling new plumbing, heating and electrical supplies, new furnaces. air conditioners, bathroom fixtures, etc Ralph Horst & Assoc, Auctioneers and Sale Managers

SAT. JUNE 10 - REYNOLDS 5R RANCH DISPERSAL SALE, at the ranch, Allen, Texas. Sale managed by Buzz Garey

SAT. JUNE 10 - Country Real Estate at Estate Sale Located central Juniata Co , Pa. For complete information, contact Long Brothers, Auctioneers, RD 2, Port Royal, Pa. 717-527-4784.

SAT. JUNE 10 - 9:30 A.M. 150 Acre Farm, Farm Equipment, Household Goods & Antiques Located on Golf Course Rd. off Rt. 10 in Robeson Twp. Terms by Clarence and Kathryn Arnold. Elton and Alvin Horning, Auctioneers. HORNING FARM AGENCY, INC., Morgantown, Pa 215-286-5183

SAT. JUNE 10 - 10 A M Public Sale of Valuable Real Estate Household Items and Antiques, Located 5 miles East of Lancaster, first drive East of Congress Inn Motel, along South side of Rt. 30 at 3 Doris Drive Dorethea Park, East Lampeter Twp. Lancaster Co, Pa I. Rohrer & Lizzie G. Meck,Owners A Diffenbach's Auctioneers

SAT. JUNE 10 - Carrier's Registered Polled Hereford. Herd Dispersal. Located - Canisteo, N Y. Owner William I. and Lee Carrier Conducted by Pirrung Auctioneers, Inc 716-728-2520

SAT. JUNE 10 - 9 A M Public Sale of Real Estate, Very nice 17.31 acre farm and sep. 4.99 acre meadow with stream, Farm Equipment, Tools, Guns, Antiques and Household Goods. Located along White Oak Rd., RD 1, Strasburg, Strasburg Twp., Lancaster Co., Pa (1/8 mile East of Rt 222 or East of Exxon Service Station, New Providence). Sale by Mr & Mrs. Elam A. Leaman. Howard Shaub and Roy C. Probst, Auctioneers.

SAT JUNE 10 - 12:30 P.M. Appaloosa Horse Sale. Located 7 miles Northwest of Selinsgrove, along Rt 207 between Kratzerville and New Berlin. Roy W. Kline, RD 1 Winfield, Pa., Owner 717-374-8882.

SAT. JUNE 10 - 9 A M Public Auction of Antiques, Horse Drawn Machinery, Tools, Glassware, 1936 2 door Chevrolet, etc. Located in Washington Twp , Berks Co , Pa. In Bally follow N Church St to Sycamore Rd., turn left ¼ mile to sale Watch for sale signs. Conditions by Marvin K. Stauffer Nelson C Weidenbaugh, Auctioneer

THURS. JUNE 15 - 4:30 P.M. Public Sale of Tractor, Horse Drawn Equipment, Old Work Shop Hand Tools, Farm Tools, Some Household. Located on the premises at 201 Lincoln Way East, New Oxford, Adams Co., Pa. Florence R. Feiser, Owner. Clair Slaybaugh, Auctioneer.

FRI. JUNE 16 - 6.30 P.M. Feeder Pig & Feeder Cattle Sale at Keister's Middleburg Auction Sales, Inc., Rt 522, 3 miles West of Selinsgrove, Pa. Don & Walt Keister, Owners. Larry Long, Auctioneer

FRI. JUNE 16 - 7 P.M. Public Sale of Real Estate. Located 15 miles South of Lancaster off Rt. 222 along Camargo Rd., North of Quarryville ¼ mile West of Rohrer's Mill in Eden Twp , Lancaster Co , Pa. Sale by Jack and Ruth Steele. Auctioneers Lloyd Kreider and Randal V. Kline

FRI. JUNE 16 - 8 P.M. Cow Sale at the Black & White Holstein Farm, Lancaster, Pa. across from the Comet Drive-in Theatre or ¾ mile West of breeding unit. Charles C. Myers, Owner.

FRI. JUNE 16 - 11:30 A M. Twin B-Dairy Dispersal. Located in Juniata Co., turn East off Old Rt. 22 in Mifflintown, Pa. at Legion on Cedar Springs Rd. about 2½ miles to the former Don Whitesel Farm, turn at cemetery Selling 100 head Holsteins. Robert B. Quigley, RD, Mifflintown, Pa. Mark Glick, Auctioneer.

FRI. JUNE 16 - 6 P M. Special Heifer Sale. Selling 250-350 Holstein Heifers. Held at G & M Livestock Market, Inc., Duncansville, Pa Take Rt. 220 North of the Pa. Turnpike. For information contact , Sherm Glick 717-248-0960 or Fred McCartney 717-349-2393

FRI. JUNE 16 - 11 A.M. Public Sale of Farm Machinery, Household Goods, Antiques and Small Tools 2 miles Southeast of Christiana, 2 miles Southwest of Atglen, coming from Christiana or Atglen take Creek Road to covered bridge, second place on right from covered bridge, West of Octoraro School, take Highland Road to Bailey crossroad, turn right one mile to sale - watch for signs Terms by Mrs. H.A Bailey. Leroy Zook and Leon Kurtz, Auctioneers

SAT. JUNE 17 - 7TH COLONIAL INVITATIONAL Host farm and location to be announced Sale sponsored by the Colonial Charolais Association. Sale managed by Buzz Garey.

SAT JUNE 17 - 7 P M Special Horse Sale at the Danville Livestock Market, located Old Rt. 11, Danville, Pa Owner Bob Biel.

SAT JUNE 17 - 10 A M Public Sale of Antique Furniture, Glassware and Misc Items of the William A. Miller Estate Located approx. 1 mile South of Collinsville, turn off Rt. 74 on Chanceford Rd , to Burn Rd. First farm on left in York Co , Pa. Jennie V. Smeltzer and Mervin S. Miller, Executors. Robert L. Sechrist, Auctioneer.

SAT JUNE 17 - 10 A M. Public Sale of Real Estate. Located on Bryson & Ross-Fording Rds., bordering the scenic Octoraro Creek, Chester Co , Pa Sale by order of Fidelity Bank Trustees for the Estate of Walter M. Jeffords, Louis Traiman Auction Co.

SAT. JUNE 17 - 1:30 P.M. Public Sale of Farm in the Estate of Dale J. Myers. Located in Cumberland Co., Pa. 4 miles West of Carlisle along Rt. 465 (Walnut Bottom Rd and Burnt House Rd.), Legislative Rt. 21034. 15 miles North of Shippensburg. From I-81 Plainfield exit No 12, go South 2 miles to sale. Arthur Rife, Auctioneer

SAT JUNE 17 - 10 A M. Estate Auction of John F. Kenned Collectibles Located 1 mile North of Meadville, Pa., Crawford Co. at the Crawford Co. Fairgrounds, between Rt. 86 and 77 Harold Edward Pfeifer, Administrator. Earl & Dave Nicolls, Auctioneers.

Sale reports

A Herd Dispersal was held May 25 for Mr. & Mrs. Bradley Brewer, 1 mile from Jackson Summit, Pa.

There were 35 registered Holstein cows and heifers sold for an average price of $1064. The top priced cow, an Elevation daughter, sold for $2050.

Some of the other cows sold as follows: $1550, $1400, $1525 and $1375.

Sale Mgr. was Gordon Wood with Arlow Kiehl as auctioneer.

xxx

A Public Sale of antiques was held May 29 by Mr. & Mrs. Arlington Straw, 4 miles North of Hershey, Dauphin Co., Pa. A large crowd attended the sale.

Some of the prices included: China Closet $675, Gun $72, Tiffany-type Light $162, Grass Baskets $75 & $85, Low Sink $230, High Sink $330, Small Chest $100, Small Blue Pitcher $100, Organ Light $165, 2 small Cabinets w/glass $130 ea., and Iron Kettle & 3-footed stand $65.

Auctioneers were Gerberich & Long.

xxx

A Consignment Machinery & Equipment Auction was held May 27 on the Gordon Wood Farm between Tioga and Lawrenceville, Pa.

Prices included: J.D. 2010 Tractor $2500, J.D. 60 Tractor $1000, Ford 700 Truck $3050, Mack Tractor B61, $3200, '72 GMC 5500 Dump Truck $2600, N.H. 461 Haybine $1050, J.D. 24T Baler $1300 and J.D. 350 Dozer $480.

Sale Mgr. Gordon Wood and Auctioneer Arlow Kiehl.

xxx

A Public Sale of registered and grade Holstein was held May 25 by Raymond M. Brubaker, 4 miles West of Millersville, Lanc. Co., Pa.

The average of the 40 head of cattle was $742. The top cow, a registered Holstein sold for $1120; 2nd high cow, a grade Holstein sold for $1090; and the 3rd high cow, a registered Holstein sold for $1075.

The 650 gal. Milk Tank brought $1800; 8N Ford Tractor (needed work) $675; and 20 ton of Ear Corn $69 per ton.

Auctioneers were Carl & John Diller and J. Everett Kreider.

xxx

A Memorial Day Auction of antiques, rugs and cars was held May 29 by Charles Donato, 342 W. Miner St., West Chester, Pa.

Prices received were: 1953 Benz y 4-dr. sedan $9100, 1977 Lincoln Versailles $8400, 8'6" x 11'6" Oriental rug $700, Technics Panasonic Stereo System $1000, Pr. Virginia Love Seats $385 ea., 8 Harriet Dunn Paintings $75 to $300, other Oil Paintings [illegible]

Washstand $190 and tall Poster Victorian Bed $700.

Auctioneers were Clay C. Hess and Richard J. Moyer.

xxx

The Hat & Gavel Auction Co. held their Thursday sale May 25 at the Auction House, 1 mile North of Lititz, Pa.

They sold the following items for Mrs. Miriam Weidler of Lititz and others: Brass Bucket $75, Glass Eggs $21, 8-day Sessions Mantel Clock $45, W. Nutting picture $15, Fallowfield Hunt Picture $55, Stohler Axe $25, Coverlet $65, Shirley Temple Bowl $27.50, 2 Copper Luster Pitchers $60 ea., Rebecca Eby 1833 Towel $27.50, Dining Room Suite $270, Secretary Desk $320, TV $95 and 4 pc. Cherry Bedroom Suite $550.

Auctioneers were Wilbur H. Hosler and Harold K. Galebach.

xxx

A Public Sale of fine antiques from the collections of Wm. Sheely, New Oxford, Pa., Mrs. Myrtle Baugher, Littlestown, Pa. and Mr. and Mrs. Carl Rasmussen of Colt Park, Gettysburg, Pa. was held May 24 at the Redding Auction Service, 3 miles North of Gettysburg, Pa. A large crowd from 5 different states attended the sale.

Some of the prices received were: Queen Anne walnut 2 drawer stand $5400, Chippendale 4 drawer slant-front desk $3200, Hepplewhite high chest of drawers $4100, Windsor 9 spindle saddle-seat arm chair $2800, Hepplewhite chest of drawers $950, Windsor 7 spindle butterfly arm chair $325, Walnut stretcher table $575, Windsor Side Chairs up to $275, Oak File Cabinets $140.

C. David Redding was the auctioneer.

xxx

A Jersey Dispersal was held May 24 by Roger D. Shaub, 6 miles North of Oxford and 8 miles South of Quarryville, Pa. A nice-sized crowd attended the sale.

The top cow sold for $810 and 4 sold for over $700. 17 ampules of Duke Orator Beacon semen brought $20 each. Over 100 cows, heifers and calves averaged $360.

J. Everett Kreider and Carl Diller were the auctioneers.

xxx

A Public Sale of household goods was held May 27 by Ruth Deibler, Doe Run Rd., Manheim, Lanc. Co., Pa.

Prices received were: Comet Snapper riding mower $400, Portable Air Compressor $300, Vise $60, Sprinkling Car $26, Cement Jardinier $25 and Yamaha 80 Cycle $310.

C.H. & Bob Wolgemuth were the auctioneers.

Public Sales Register

AT. JUNE 17 - 9 A.M. Public ale of Mechanics Tools, quipment, Truck, Cat and ome Farm Machinery. ocated 4 miles North of ewistown, Pa. on Rt. 522 cross from the Log Cabin Inn. mma Wagner, Owner, RD 3, ewistown, Pa. Mark Glick, uctioneer.

VED. JUNE 21 - 9:30 A.M onsignment Sale of Tractors, arm Machinery, Horse Drawn nplements, New Tools and ardware by David H. Good, cated ½ mile North of Route 3 on North Maple Ave in eola, Lancaster Co., Pa. atch for sale signs F Snyder, Martin, C Wolgemuth, J Fry nd L Horst, Auctioneers

RI. JUNE 23 - 7 30 P.M 10 re tract of woodland Caer- von Twp, Lancaster Co., pprox 2 mi. West of Morgan- wn Take Rt. 23 W to Red chool Rd, turn left approx. 1 i. to woodland HORNING ARM AGENCY, INC Elton & vin Horning, Auctioneers 5-286-5183

T JUNE 24 - 11 A.M. Con- gnment Horse Sale at the ister's Middleburg Auction les, Inc, Rt. 522, 3 miles st of Middleburg, 5 miles est of Selinsgrove, Pa Don & alt Keister, Owners Larry ng, Auctioneer.

T JUNE 24 - 9 30 A.M 89 re Farm, Household Goods & rm Equipment. Located at hnton RD 1 along Rt 568 rms by James Musser tate James L Lockhart, nk of Pa, Co-Executors At- ney Paul H Edelman Elton & Alvin Horning, Auctioneers, Horning Farm Agency, Inc

SAT. JUNE 24 - 10 A M Sharp Lloyd Moyer Public Sale of Antiques, Guns and Coins. Located at 131 E. Gaul St., Wernersville, Berks Co, Pa Conditions by Lloyd Moyer Auctioneer John Breidegam.

SAT. JUNE 24 - 10 A.M. Public Sale of Farm Equipment, Misc. Farm Tools, Old Horse Gears, Household & Antiques and Butcher Tools. Located 2 miles North of E. Berlin off Rt 194, to campground sign or Rt. 74 N. to Davidsburg Rd., approx 6 miles to Mobile Station, turn left. Watch for sale signs Arthur S. Laughman and Reba M. Laughman, Owners. Clair R Slaybaugh, Auctioneer.

SAT. JUNE 24 - 11 A M. The Meyerlea Farm Public Auction. Located in Andover Twp, Germany Flats Rd, Newton, NJ. Mr. & Mrs. George Meyer, Owners Farm & Home Realty, Newton, NJ Castner Estate Service - Don Castner, Auctioneer

SAT. JUNE 24 - 11 A M Public Sale of Real Estate, (20 8 Acre Farm), Antiques, Household Goods, Tools and Auto Located along Rt 796 South of Jennersville, Penn Twp, Chester Co, Pa. (¼ mile South of Jennersville intersection, just South of Sunset Park) Sale by William A Hall Howard Shaub and Roy C. Probst, Auctioneers

WED JUNE 28 - 12 Noon Farm Equipment Sale at the Danville Livestock and Auto Auction. Located old Rt 11, Danville, Pa. Consignments welcomed. For more information phone Melvin Lehman, Owner, 717-275-2880.

THURS. JUNE 29 - Complete Holstein Dispersal of Cows and Heifers to be held at Smoketown Quality Dairy Sales, Smoketown, Pa. (Rt 340), 5 miles East of Lancaster, 5 miles West of Intercourse. Sale for Elvin M Groff. Sale Managed by Gordon and Ron Fritz.

JULY

SAT. JULY 1 - 7 P M Merchandise Sale at the Danville Livestock Market Selling new brand name merchandise.

SAT JULY 1 - 12 Noon. Public Sale of Woodland 254 Acre More or Less. Lancaster & Lebanon Co (near Mt. Gretna) Terms by John L. Moyer Estate. T Glenn Horst Auction Service.

TUES. JULY 4 - Antique Sale, Farmersville Auction. In Farmersville, 3 mi East of Brownstown, Lanc. Co, Pa. John J Rutt, Auctioneer.

FRI JULY 7 - The Breeders Sale, Riverwood Farms, Powell, Ohio Sale managed by Buzz Carey, 100 Walnut Lane, Morrisville, Pa

FRI JULY 7 - 7 P M. Summer Promotional Sale at the New Holland Sales Stables, Inc., New Holland, Pa Abe Diffenbach, Sale Manager

SAT. JULY 8 - 10 A.M. Public Sale of Antiques and Household Goods. Located in Oxford Borough, Pa., 556 Locust Street, 1 mile West from center of town Mae Morris, Owner. Lloyd Kreider and Randal Kline, Auctioneers.

SAT JULY 8 - 9:30 A M. Public Sale of Miniature Steam Locomotive, Truck, House Trailer, Farm Equipment, Potato Equipment, Shop Machines & Tools, Antiques & Household Goods. Owner Garbrick Potato Farm, Centre Hall, Pa, Centre Co Auctioneer P F (Bud) Wasson

SAT JULY 8 - 10 A M Public Sale of Air Tools and Other Tools Located on premises, midway between Bird-in-Hand and Montgomery. Bird-in-Hand at underpass turn North of Beechdale Rd to 556 Gibson Rd to the premises, Lancaster Co, Pa Mrs Eli T Miller, Owner. Frank & Paul Snyder, Auctioneer

SAT. JULY 8 - 1 30 P M. Bred Gilt Sale. Located 8 miles North of Myerstown on Rt. 501 and 1 mile South of US Rt. 22 on Rt 501 at Bethel, Pa Turn West at Bethel School to second farm on left at Harvey Zimmerman Farm Conditions by Henry H. Martin Alvin Horning, Auctioneer.

SAT JULY 15 - 7 P M Special Horse Sale at the Danville Livestock Market, located Old Rt. 11, Danville, Pa Owner Bob Biel.

WED. JULY 19 - 6 P.M Special Horse Sale - Kentucky Saddlebred Horses and Standardbreds. Located at Paul Z. Martin Sales Stables, 2 miles East of Intercourse, Pa. along Rt. 340. Martin, Auctioneers

WED. JULY 26 - 12 Noon. Farm Equipment Sale at the Danville Livestock and Auto Auction. Located old Rt. 11, Danville, Pa Consignments welcomed For more information phone Melvin Lehman, Owner, 717-275-2880

THURS. JULY 27 - Registered Holstein Dispersal near Spring City, Pa., Chester Co. Owner Vernon Ruth Auctioneer Carl Diller.

THURS JULY 27 - 7.30 P.M Complete Registered Holstein Dispersal to be held at Smoketown Quality Dairy Sales, Smoketown, Pa (Rt 340), 5 miles East of Lancaster, 5 miles West of Intercourse, Pa Selling for Isaac Brubaker, RD 6, Lititz, Pa. Sale Managed by Gordon and Ron Fritz

SAT JULY 29 - Public Sale of Farm Equipment, Tools, Antiques and Household Goods. Located along Amishtown Rd., 1 mile West of New Holland, PA Sale by Mrs. Jonas Z Nolt. Auctioneers Nevin Z Martin and Lewis B. Groff.

SAT JULY 29 - 9 A M Large Public Sale of Many Fine Antiques and Household Goods Located at residence at 201 Lincolnway East, New Oxford, Adams Co, Pa. Florence R Feiser, Owner Clair Slaybaugh, Auctioneer.

AUGUST

FRI. AUG 4 - Complete Registered Holstein Sale Located RD3, Lititz, Pa Henry Kettering, Owner, 717-569-0675 Auctioneer - R Austin Backus, Mexico, NY

FRI AUG. 4 - 6:30 P.M Sales of Bred Gilts, Open Gilts & Boars. Located at Lebanon County Fairgrounds, Lebanon, Pa Sponsored by Pa Yorkshire Club Auctioneer Harry Bachman.

FRI EVE. AUG 4 - 7.30 P M. 60 Registered Holstein Herd Dispersal at the New Holland Sales Stables, Inc Selling 25 mature cows, 14 bred heifers, 8 breeding age, balance are calves. Consigned by Stephen L Stoltzfus, RD 2, Honey Brook, Pa.

SAT AUG. 5 - 7 P M. Merchandise Sale at the Danville Livestock Market. Selling new brand name merchandise

SAT AUG. 19 - 7 P.M Special Horse Sale at the Danville Livestock Market, located Old Rt. 11, Danville, Pa Owner Bob Biel.

WED. AUG. 30 - 12 Noon. Farm Equipment Sale at the Danville Livestock and Auto Auction. Located old Rt. 11, Danville, Pa Consignments welcomed. For more information phone Melvin Lehman, Owner, 717-275-2880.

SEPTEMBER

SAT. SEPT. 2 - 10 A.M. Public Sale of 17 Antique Tractors, Grain Self Rake Reaper, Gas Engines & Other Antique Equipment. Located in Reynoldsville, Jefferson Co., Pa. Owner Mrs. Janet Pifer. Auctioneer P F (Bud) Wasson

FRI. SEPT. 15 - 6:30 P M. Eighth Hog Production Sale, 80 Bred Gilts, 50 Open Gilts & 30 Boars. Located at Lebanon County Fairgrounds, Lebanon, Pa. By Leon Lawrence & Thomas Arnold. Auctioneer Harry Bachman.

SAT. SEPT. 16 - 7th National Charolais Polled Sale. Located at the Host Farm, Frisbie Charolais Ranch, Vinta, Oklahoma. Buzz Garey, Garey Cattle Sales, Inc., Morrisville, Pa.

WED. SEPT 27 - 12 Noon. Farm Equipment Sale at the Danville Livestock and Auto Auction. Located old Rt. 11, Danville, Pa. Consignments welcomed. For more information phone Melvin Lehman, Owner, 717-275-2880.

OCTOBER

FRI. OCT. 6 - 13TH EASTERN NATIONAL CHAROLAIS SALE. Maryland State Fairgrounds, Timonium, Maryland. Sale sponsored by the Colonial Charolais Association. Sale managed by Buzz Garey.

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